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R. Holmes

1959 - 1964

Species Accounts – Part 1

Gavia Stellata – Calidris ruficollis

R. Holmes

1959 - 1964

Species Accounts – Part 1

Gavia Stellata – Calidris ruficollis

Holmes, R.
1959

Gavia stellata

23 June Barrow, Alaska
A pair seen So. of the East census area, and no. of Wohlschlag Slough

29 June Barrow, Alaska
The pair described above was again seen on the same pond. No activity noted

5 July Barrow, Alaska
This was the most common loon seen out near the point (Pt. Barrow). Probably 50-60 were present with as many as 20 being seen at one time.

7 July Barrow, Alaska
A nest was located several hundred yards No. of Wohlschlag Slough. It was on the edge of a pond which was about 100 feet long and 30 feet wide at the widest part. The nest was within 6 inches of the edge of the water and consisted of a few strands of grass which had been mashed into the mud, forming a sparsely lined mud depression. The 2 eggs were tan colored with a few very light brown spots. When the incubating bird was flushed, she paddled off on the

Holmes, R.
1959

Gavia stellata

16 July Barrow, Alaska
The nest was checked today. The female was incubating upon our approach and flushed when we were about 30 yards away. There were still 2 eggs, but the nest had been built up with a few more pieces of sedge. Another loon was seen several ponds away which may have been the mate of this incubating bird, or it had a nest of its own.

18 July Barrow, Alaska
One seen on Loon pond, just so. of Footprint lake. It has been noticed there several times. Another was seen on the small ponds no. of Ikroa-vik lake.

31 July Barrow, Alaska
The nest no. of Wohlschlag Slough was checked. The eggs have hatched and one chick was seen in the pond. One adult was also present.

10 August Barrow - Umiat - Pitt Point, Alaska
Several seen on ponds on the coastal plain

11 August Pitt Point, Alaska
About 30 present just west of the base. Two large ponds were found which

Holmes, R.
1959

Gavia stellata

11 August Pitt Point, Alaska
contained one adult and one chick. Both young were covered with a dark brown - black down and followed closely behind the adult.

30 August Barrow, Alaska
During the past week, numerous loons have been noted flying high overhead + could be heard calling. Most were of this species. No direction seemed to be predominant; they were seen flying - west, east + north.

Holmes, R.
1960

Gavia stellata

24 June Ikroavik (Barrow) Alaska
Several birds have been seen & heard during the last few days in this vicinity.

2 July - 2 seen on the ponds north of Ikroavik (in the old lake bed). A nest could not be found.

12 July Barrow, Alaska
Two seen on pond No. of Voth's Slough.

14 July - 2 seen on the creek (slough) behind salt Lagoon.

25 July - Two seen on a small pond, just north of Voth's Marsh - a nest could not be found.

30 August 2 seen on a small pond - located about half way between Dry lake & Loon lake. There was 1 young.

25 Aug A loon & 2 chicks seen in a pond east of the bead ridge. The adult took flight upon our approach & flew in circles giving a loud screaming cry.

Holmes, R.
1961

Gavia stellata

11 June Barrow, Alaska
One seen in central marsh. Several have been heard recently, but this was the 1st seen.

20 June - 2 seen on pond west of Trapline IVA+B.

24 June Nest found on small, weed choked pond, so. of B.R - just 100 yds south of Wohlschlag Slough. There were 2 eggs.

Holmes, R.
1962

Gavia stellata

10-15 June Barrow, Alaska
Several seen & heard in the vicinity of Central marsh -> Elson lagoon.

16 June At least 3 seen today near Elson lagoon. - None seen on ponds yet - all flying & calling.

17 June 1 pr. on Loon pond {inlet to Wolverine? slough?}

2 July Two seen flying high over the wannigan at different times today - giving the barking call.

21 Aug 6-8 milling around in the air over No. Meadow Lake

Holmes, R.
1963

Gavia stellata

9 June Barrow, Alaska
One heard flying high over north meadow lake

14 June 1 reported from lowland lake near Insect ponds - where this species/loon nested last year. Pair reported on loon pond - north of wobbleblog.

17 June Several on the Sloughs near Ikroavik (in pairs).

7 July · 1 on ponds east of Ikroavik Point

20 July " " " " " " "

13 Aug One flying high & "chattering" over gravel ridge.

Holmes, R.
1959

Gavia arctica

7 June Barrow, Alaska
2 seen flying to the eastward along the lead. They were indiv - not paired.

8 June Barrow, Alaska
6 seen flying eastward along the edge of the tundra - ice.

15 June Barrow, Alaska
1 seen flying over tundra behind (So.) the drum area. It was flying high and towards the east and apparently had no intention of stopping.

19 June Barrow, Alaska
One seen flying over the tundra near the beach ridge. It was flying high and calling.

23 June Barrow, Alaska
One pair seen on a pond near Olson lagoon. Also one seen flying over the beach ridge near the gas line

25 June Barrow, Alaska
Several seen and heard flying near Wohlschlag's Slough.

30 June Barrow, Alaska
Several heard near Lower Meadow lake in the early morning.

5 July Barrow, Alaska
Several seen in the ponds near Nacook.

6 July Barrow, Alaska
2 seen flying west over freshwater lagoon.

Holmes, R.
1959

Gavia arctica

25 July Wainwright, Alaska
One seen flying from the ocean back over the land in a southerly direction

3 August Beechey Point, Alaska
Several seen near the gravel island off the Point. These were still in breeding plumage.

5 August Barrow, Alaska
6 were seen between ARL and the Pass (at Nunavak).

10 August Barrow - Umiat - Pitt Point, Alaska
Several seen when flying over the coastal areas.

10 August Pitt Point, Alaska
About 10 birds were seen west of the base. These were all together in one flock.

24 August Barrow, Alaska
One seen in breeding plumage in Central Marsh.

26 August Barrow, Alaska
Two adults in breeding plumage seen on middle Saltwater Lagoon

3 Sept. Barrow, Alaska
Two adults in breeding plumage were again seen in middle saltwater lagoon. They have not been noted since 26 Aug.

Holmes, R.
1960

Gavia artica

23 June Barrow - Ikroavik, Alaska
Several birds, both singles & pairs, have been seen & heard during the last 4-5 days. On the ponds north of the waterpipe a pair has been noted for 3 days. Their calls can often be heard throughout the day & night.

30 June Ikroavik, Alaska
Two seen on the pond west of stakes 12-13 on the census plot.

26 July Barrow = Ikroavik, Alaska
A pair seen on the pond below the third inlet on the west side of Ikroavik. There was 1 downy chick present.

Holmes, R.
1962

Gavia arctica

10 June Barrow, Alaska
1 seen (& heard) flying overhead - going E over the beach ridge
16 June 2 seen on pond in central marsh - west of the 2nd beverage antennae.
17 June 2 on Wohlschlag slough.
21 June 2 on Ikroavik. One giving a loud cry note - which could be heard up to a mile.
2 July One on Ikroavik lake & one heard to the west of the plot.
9 July Several seen along the west shore of Ikroavik & at the south end.

Holmes, R
1963

Gavia arctica

25 June *Barrow, Alaska*
One on census plot - on beaded pond - near 10. 2. Also - one flying along Ikroavik.
7 July 1 SW / census plot at Ikroavik.
26 July 1 on Ikroavik Lake.
6 Aug 1 on pond at south end / Ikroavik census plot

Holmes, R.
1959

Gavia adamsi

7 June Barrow, Alaska
4 seen flying eastward along the lead (Arctic Ocean). They were mostly flying about 50 to 70 feet above the water. All birds were seen individually + no pairs.

5 July Barrow, Alaska.
Six were seen at the end of the spit east of Nuwuk. They were all seen individually along the spit and were flying in various directions.

12 July Barrow, Alaska
Three were seen in the middle saltwater lagoon,

Holmes, R
1960

Gavia adamsi

5 June Inaru River, Alaska
One heard along the river near the fish camp

16 Aug Barrow = Cape Lisbourne, Alaska
Several see along the route, especially near Wainright & Peard Bay.

Holmes, R.
1959

Anser albifrons

8 June Barrow, Alaska
Two seen just E. Ws. of Barrow Village as they flew from inland towards the sea.

12 June Barrow, Alaska
Two seen flying eastward over the drum area at 1030.

5 Sept. Barrow, Alaska
200-250 seen on the lower end of Footprint Lake. These were in small groups of 15-20 birds and apparently were feeding among the grasses in the drier portions of the lake. Occasionally a mixed flock was noted (mixed with Black Brant). Both adults and immatures were present.

Holmes, R.
1960

<u>Anser</u> <u>albifrons</u>

3 June <u>Barrow</u>, <u>Alaska</u>
One seen flying over the beach ridge toward Elson Lagoon.

5 June <u>Barrow</u>, <u>Alaska</u>
Several seen between Barrow and the Inaru River.

9 June <u>Barrow</u>, <u>Alaska</u>
Three seen on the tundra, south of Wohl. Slough. 4 more seen No. of Wohl. Slough in the afternoon.

17 June 2 seen on Footprint Lake, which is now flooded.

22 June <u>Ikroavik</u> - (<u>Barrow</u>), <u>Alaska</u>
2 seen along the main slough into the lake.

Holmes, R.

Anser albifrons

4 June Barrow, Alaska
3 sitting on ice of family lagoon; 1 seen flying over Britton's area.

6 June A flock of 12 seen feeding on a small exposed area of Footprint Lake.

9 June 6-8 in Footprint Lake

Holmes, R.
1962

Anser albifrons

30 May Barrow, Alaska
6 seen near Elson Lagoon
1 June · 1 seen " " " ; 1 flying over drum area
2 June 1 " " " "
8 June 1 " " " " " flying No-W.
9 June 2 seen flying No. over middle salt Lagoon.
11 July 1 seen near So. meadow lake } - both fem
17 July 1 " " " " " }
hidden in tall grass near small ponds.

Holmes, R.
1963

<u>Anser albifrons</u>

4 June <u>Barrow, Alaska</u>
A pair seen flying along bluff halfway between Dolgpil + Wohlsetley Sloughs.
5 June 2 near Brant Point
6 June 2 flying north over beach ridge.
8 June 4 near ELSON LAGOON
11 June 1 flying over gravel ridge to <u>west</u>
2 " " beach ridge - flying east

R.T. Holmes
1964

Anser albifrons

13 June Barrow, Alaska
One flying near beach ridge
15 June One with c Snow Goose near So. Meadow Lake.
16 June 4 flying over beach ridge

Holmes, R.
1959

Chen hyperborea

10 June Barrow, Alaska
Two seen flying in a westerly direction over the gas well road, no. of the Voth Area.

17 June Colville Delta, Alaska.
One seen sitting in a small pond on the Colville Delta.

25 June Barrow, Alaska
A flock of 40-45 were seen flying N.W. along the shore of Elson Lagoon

3 August Colville Delta, Alaska
A flock of 15 were seen on a large lake near the Delta

Holmes, R.
1962

Chen hyperborea

12 June Barrow, Alaska
2 seen flying south over Elson Bluffs.

Holmes, R.
1963

Chen hyperborea

28 May Barrow, Alaska
3 pair seen on tundra near Ookpik Slough &
Elson Lagoon.
21 June 8 birds flying N along Ikroavik lake

Holmes, R. T.
1964

Chen hyperborea

15 Jun Barrow, Alaska
1 with a white-fr. from South of south meadow lake

Holmes, R.
1959

Branta canadensis

10 August Pitt Point, Alaska
A group of 14 flew over the base at 1900, heading S.W.

Holmes, R.
1962

Branta canadensis

14 June Barrow, Alaska
Two Canada Geese -- flying south along the west shore of Ikroavik. The light underparts & chin straps were quite visible.

Holmes, R.
1959

Branta nigricans

17 June Colville Delta
Several groups of 2 to 15 seen in this Colville Delta Region. A few were also seen near the Meade River

18 July Barrow, Alaska
Two were noted on the small ponds just n. of Ikroavik Lake.

19 July Barrow, Alaska
Two were seen again in the same location as above and a nest was located on a small island. There were 3 large light tan-colored eggs which were just beginning to pip. The nest was composed of light-black (grayish) down in a small depression on an island, 2' by 8'. The pond was about 30 yards long and 8 yards wide.

20 July Barrow, Alaska
The nest was checked at 1000. It contained 1 young and 2 pipping eggs. The female sat tight, within 6 feet of her before she flew.

22 July Barrow, Alaska
By 1000, the young had left the nest and could not be found in the pond. The adults were also not seen.

1 August Barrow, Alaska
No sign of these birds were seen near the nest.

Holmes, R.
1959

Branta nigricans

10 August Pitt Point, Alaska
As we flew ne. toward Pitt Point, 8 flocks of 20 to 30 of these geese were observed. They were all within 10 miles of the base.

3 Sept. Barrow, Alaska
8 were present standing along the shore of Middle saltwater Lagoon.

5 Sept. Barrow, Alaska
Several small (10-15) flocks were seen on Footprint Lake. with a total of 60-70 birds being present. They seemed to be feeding in the drier parts of the lake bottom, not among the ponds.

Holmes, R.
1966

Branta nigricans

5 June Barrow, Alaska → Inaru River
Several seen near the Inaru River
9 June - Barrow, Alaska
2 seen No. of Wohl. slough with a flock of 4 White-fr. Geese.
10 June - 1 seen flying with 7 ♂ Pintail northward over Elson Lagoon & Wohl. Slough. Later 2 pair were seen in aggressive action at a pt. about 1/3 of the distance between Wohl & Holyrigg Slough. One pair were chasing the other, as if territories had been set up. There was much loud squawking from both pairs.
14 June - 2 seen in Footprint Lake
20 June - 6 seen over the beach ridge at 0900. 4 pr. seen later at 1100.
22 June Ikroavik (Barrow), Alaska
Several groups of 4-6 noted along the plot. All were flying (W to E).
24 June - 7 seen flying east over the plot today. This evening 2 pr. were seen flying north along the plot.
26 June Barrow, Alaska
A flock of 8 was noted feeding along the north shore of Wohlschlag Slough
~~2 July Ikroavik~~

Holmes, R.
1960

Branta nigricans

28 June Barrow - Wainright - Barrow, Alaska
Several birds seen on the flight to Wainright. Most of these were individuals or pairs, which were present on small lakes and ponds.

2 July Ikroavik, Alaska
4 seen flying north over the census plot. None seen in the area where they nested last year.

13 July Barrow, Alaska
Maher & Reynolds report an nest (or at least 2 Ads + 2 young near owl nest #12 (yesterday). Today, we went back to this area + saw these 2 adults, but no chicks were seen. At owl nest #6, we found a nest 35 feet from the owl mound. The ♀ was incubating when we approached, and it was not until I was only a few feet away from her that she flushed. The young (5) had just finished hatching + while we were there she lead them away slowly. (The ♂ later joined the group + both birds stayed with the young after that. The ♀ did a form of distraction display by bowing her head low in front of her body + swaying it from side

Holmes, R.
1960

Branta nigricans

13 July Barrow, Alaska

to side (see Maher's movies for details). The ♂ would stand erect + then lower his head slightly + run a few feet, stand erect again, etc.. After about 5 minutes of movie + picture-taking, the birds had moved about 20 yards. The nest was located on a small mound 35 feet from the owl nest. The eggs had been laid in a depression where down mixed with grass formed the nest. — Another nest was located just So. of Dolgak Slough between owl nests #6 + #12. This one had eggs which were just pipping (4 had already hatched, 1 hatched while we were there, and 1 was pipping). The nest was about 25 yards from the slough + again was in a depression on a small mounded area. The ♀ was on the nest when first seen, but flushed quickly + flew 50-100 yards away. She did a form of the distraction display, but it was not as violent or as close to the nest as the first seen. She stopped after sev. min.

Holmes, R.
1960

Branta nigricans

17 July Barrow, Alaska
A pair seen again near owl nest #12. A nest found near this area by Maher contained 3 eggs.

17 Aug Barrow = Cape Lisbourne, Alaska
A flock of 20 seen somewhere (?) between Lii 3 & Lii B.

21 Aug Barrow, Alaska
Several flocks of 20-40 were seen between the north end & Ikroavik & the area adjacent to owl nest #10. (So. end of plot). Another flock of 34 were seen in dry lake.

26 Aug - A flock of 4 Ads & 11 Juv. seen just South of first lagoon.

3 Sept Barrow, Alaska
Several flocks of 15-25 seen in Footprint Lake. A total of about 120 birds were seen at one time

Holmes, R,
1961

Branta nigricans

7 June Barrow, Alaska

2 seen near Elson Lagoon

9 June 6-8 in Footprint Lake - feeding in pools at the south end. 4-5 seen in Central marsh + near Wohlschlag Slough.

20 June Two in Footprint Lake

17 Aug Flock of 18 seen near Wohlschlag Sl.

Holmes, R.
1962

Branta nigricans

14 June Barrow, Alaska
Flock of 26 seen on "Dry lake" – 8 mi So of Barrow.

16 June 2 seen flying low & circling over low-center polygons – near Elson lagoon

17 June 1 seen standing 50' so. of wohlschlag S. .

29 June 2 pair seen so. of wohlschlag slough – appeared to be nesting. Also a flock of 11 seen on Wohlschlag Slough.

Holmes, R.
1963

Branta nigricans

29 May Barrow, Alaska
Two (probably pair) seen along Elson lagoon, 100 yards north of Aopkik slough.

7 June 2 near Elson lagoon

9 June 2 near gasline ridge

15 June 1 along west shore of Footprint lake

17 June 3 pair - about 100 yds apart - along tundra south of Wobbledobbly slough.

21 June Pair on Ikroavik census plot

Holmes, R.T.
1964

Branta nigricans

4 June **Barrow, Alaska**
Pair on tundra near Elson Lagoon & Oolepik Flu.
8 June 2 in central marsh near magnetic station.
25 June At least 4 pair on small lake - 700 yds south of Ikroavik (west of outlet). One may have been on nest on small island in lake.

Holmes, R
1959

Cygnus columbianus

17 June Barrow, Alaska
One seen sitting on a small pond in the Colville Delta.

3 August Colville Delta, Alaska
Two Adults and Three young were seen along one of the river channels.

Holmes, R.
1963

Olor columbianus

5 June Barrow, Alaska
One individual walking on tundra near Brant Point - in company with 2 white-fronted Geese.

Holmes, R.
1962

Mareca americana

9 June Barrow, Alaska

Two ♂ Baldpate seen on the gravel pond - at junction of VOR - Barrow Road - in company with 4♂♂ + 2♀♀ Pintail. Birds flew - when I started to get out of the weasel + were last seen heading south.

Holmes, R.
1961

Anas platyrhynchus

5 June Barrow, Alaska
1 drake seen on a pond east of the beach ridge near Elson lagoon. It was in immaculate breeding plumage. It was shot at once, but became wary thereafter.

Holmes, R.
1961

Spatula clypeata

11 June Barrow, Alaska
1 ♂ in breeding dress seen feeding in the flooded area of Central marsh. It was there during most of the morning but had disappeared by early afternoon.

Holmes, R.
1959

Anas acuta

4 June ~~Barrow~~, Umiat, Alaska.
2 seen flying near airport as our Wien plane landed.

11 June Barrow, Alaska
1 pair seen flying towards the N.W. They made a circle around me and then flew off in the same direction in which they had been flying.
1900. - 1 pr. seen 20 yards behind ARL Bldg. on small pond. They flushed immed. and flew off in a easterly direction.

12 June Barrow, Alaska
3♂ and 2♀ in pond just W. of ARL Bldg. They appeared to be just sitting - no feeding or other actions seen.

13 June Barrow, Alaska
11♂ and 3♀ seen in ponds west of the drum area. Upon being alarmed, they flew about 100 feet and settled on the snow. Within several minutes they had returned to the pond.

14 June Barrow, Alaska
The same flock as noted above on 13 June was seen this morning

Holmes, R.
1959

Anas acuta

14 June | Barrow, Alaska
on the same pond. They flew up on the approach of a Jaeger (Pom.) but quickly settled down again. 3♂ and 2♀ were noted at 2000 in the same general area.

15 June | Barrow, Alaska.
One pair seen along the gas well road, just So. of Britton's Area. About 22 were seen in the drum area. They would settle down on the ponds and then fly out - acting very nervous. They were extremely easy to flush.

17 June | Pow 2, Alaska
Three seen near the landing strip.

22 June | Barrow, Alaska
Four males were seen chasing one female just So. and E. of the drum area. The female would fly up to a height of 10 feet and the males would follow her flying back and forth. She would continue to try to get away but was always followed by these males. When she landed they would all land around her and then flutter a foot or two into the air while she remained sitting.

28 June. Barrow, Alaska
A flock of 9 seen standing on a mound on gas line ridge. Also three were noted just South of the AACS.

30 June. Barrow, Alaska
3 males seen flying over dunes area.

6 July. Barrow, Alaska
A nest was located in the area west of the pipeline about 100 yards (due W. of AACS). It was on a dry polygon which was covered with last years dry, brown grass. The nest contained #7 tan or buffy colored eggs. The nest itself was made with down and a few of the grasses. When the female was flushed, she couldn't take off, so she flapped along on the slope toward the lagoon. As she did so, a Pomarine Jaeger swooped at her and hovered just above her. Finally she was able to take off, and the jaeger lost his interest and turned away

Holmes, R.
1959

Anas acuta

7 July Barrow, Alaska
The nest was checked again at 1200 and it still contained 7 eggs. When the nest was found yesterday the female had been flushed and the nest was "left open" (that is the eggs were visible. This time the female was seen down the slope aways, and the down had been brought over the eggs, thereby concealing them from any predators.

8 July Barrow, Alaska
A group of 15 males were seen near Voth's Area.

13 July Barrow, Alaska
The nest was checked at 1500. The female was incubating, and there were still 7 eggs.

17 July Barrow Alaska
The nest still contains the 7 eggs.

18 July Barrow Alaska
The nest had hatched at 1000 and only three young could be found in the vicinity. They were a light gray in color with a white stripe above the eye. The bill was bluish. The female was not seen

Holmes, R.
1959

Anas acuta

31 July **Barrow, Alaska**
Several flocks of these ducks were seen during the afternoon. 6 females were on freshwater lagoon 4 ♀♀ were just s. of the same lagoon and 12 were present on Wohlschlag's Slough. They all flew on approach of the weasel.

6 August **Barrow, Alaska**
A group of 16 were seen on a small pond, just north of Footprint Lake. They appeared to be a group of males which had attained a brown plumage. The markings of the breeding plumage was still visible, however.

11 August **Pitt Point, Alaska**
About 200 were seen just west of the base. They were scattered around on many small ponds.

19 August **Barrow, Alaska**
24 molting birds seen just no. of Footprint Lake

20 August **Barrow, Alaska**
8 molting (body) birds seen just west of freshwater lagoon

24 August **Barrow, Alaska**
4 seen just so. of Freshwater Lagoon.

Holmes, R.
1957

Anas acuta

26 August Barrow, Alaska
One male in eclipse plumage seen just no. of Ikroavik Lake in a pond, densely filled with Arctophila.

Holmes, R.
1960

Anas acuta

7 June Barrow, Alaska
a pair seen in the evening along Olsen Lagoon, south of Wohlschlag Slough. They were also seen in the morning

10 June – 1♂ seen west of footprint lake. 7 ♂♂ seen flying northward over Olson Lagoon & Wohl. Slough.

12 June – 4♂ and 3♀ were sitting on the north end of Footprint Lake. Sexes were seperated, & when flushed, the ♂♂ flew off together as did the ♀♀.

16 June – A flock of 34 ♂♂ seen on Footprint lake

20 June – a nest seen on the [illegible] ridge, just east of the 1st row of beverage antenna. It was situated in a barren area in the depression of an old cat track. Nest material had been gathered and made into a compact nest (- made of dry cut grass). The nest contained 5 eggs, and the ♀ was sitting on the nest when disturbed.

24 June Ikroavik (Barrow), Alaska
A flock of 11 ♂♂ were seen just south of the 2nd inlet into Ikroavik. These birds were flying north along the shore

Holmes, R.
1960

Anas acuta

26 June **Barrow, Alaska**
The nest on the beach ridge near the beverage antennas was checked. It contained 7 eggs.

28 June **Wainwright, Alaska**
A pair seen at Wainwright behind the site

29 June **Barrow, Alaska**
A group of 6 ♂♂ seen just south of the beach ridge

11 July The nest on the beach ridge was checked, and it was still in tact. Only 4 feet away from this nest was a nest of an old squaw. Both nests contain 7 eggs. The pintail eggs are slightly lighter tan in color and are also less greenish. The down of the pintail nest is lighter than the old squaw's.

22 July The nest on the BR was again checked, & this time it had hatched. There were no signs of the ♀ or young in the area.

2 August A flock of 45 seen on the south end of foot print lake. All were ♂♂ which were molting their body feathers. Wing molt was not seen.

Holmes, R.
1960

Anas acuta

3 August Barrow, Alaska
A flock of 8 molting ♂♂ seen south of Ikersaurik.

15 Aug - A flock of 24 seen in the south half of Footprint Lake.

22 Aug A group of 22 seen in Footprint Lake.

25 Aug Occasional birds seen on the tundra. Sometimes these are in small groups of 6-12.

3 Sept - Small groups along with teal, etc. in Footprint. These all appeared to be juveniles.

Holmes, R.
1961

Anas acuta

4 June <u>Barrow, Alaska</u>
10 ♂♂ seen just south of Britton's Area
5 June 15 in central marsh, 1 near Voth's area - all ♂♂
7 June 20-30 ♂♂ seen in + around Voth's area. Several were also in central marsh.
9 June 60-100 on the lower end of Footprint Lake
50+ in central marsh - mostly drakes
11 June 2-3 dozen are still in central marsh - in flooded areas.
13 June Large flocks of mostly ♂♂ seen in Footprint Lake.
15 June Several pair seen along the beach ridge & a group of 16 ♂♂ were in central marsh.
17 June A nest with 5 eggs was found by Sullivan near Trapline III A. Several pairs noted in Voth area & central marsh.
20 June Nest above destroyed - apparently by Eskimos.
4 seen on wamugan pond.
24 June Flock of 4 ♂♂, 2 ♀♀ - seen south of Wohlschlag Slough. - no pairing noted.
26 June 3 ♂ seen in central marsh - 2 were going into eclipse
7 July 1 molting ♂ seen near Voth's Area.
26 July 6 molting ♀? - in Footprint Lake
11 Aug 6 so. of Wohlschlag Slough

Holmes, R.
1962

Anas acuta

5 June Barrow, Alaska
2 ♂♂, 1 ♀ on pond in gravel area - at the junction of ... Road + Barrow Village Road.

8 June - Flock of 11 (incl. sev. ♀♀) on gravel ponds (")
A group of 4 ♂♂ + 2 ♀♀ seen on gravel ponds in the evening + 5 ♂♂ + 2 ♀♀ on tundra pools - south of Britton's Area.

10 June . This species was quite numerous today - but most groups seen were flocks of ♂♂ - (6-8 birds - in Britton's - Barrel Ridge + Elson Bluff areas). Only 1 ♀ was noted.

11 June 8 ♂♂ - 2 ♀♀ on pond near Fresh Lake

14 June Flock of 30 on Dry Lake; Flock of 66 flying over beach ridge - ♂♂ 10:1 ♀♀

17 June Flock of 18 ♂♂ in central marsh.

20 June One pr. seen near the insect plot.

28 June 1 nest found + staked. east of the large towers - at the ~~...~~ missle - tracking site. 6 eggs.

29 June Flock of about 30 ♂♂ - showing some molt - so. of wobbly slough.

15 Aug 125+ - molting (body) birds on Footprint Lake - ponds.

Holmes, R.
1963

Anas acuta

28 May Barrow, Alaska
A drake seen in Britton's Area
30 May A pair seen in Britton's Area + 1 (same?) flying south over Voth area an hour later.
3 June A pair on pond - No. 1 Wobbleback float - along Elson Lagoon
7 June Flock / 9 flying east over beach ridge
8 June Pair in Britton's Area. Mixed sex flock / 18 near Elson's Lagoon.
11 June Flock / 13 - (sex?) in central marsh, pair N.W. / Voth Area.
15 June 300+ ♂♂ in north footprint Lake
17 July 2 ♂♂ near fresh lake
20 July 5 ♂♂ along slough at NW corner / Ikroavik lake - in eclipse body plumage.
24 July 6 ♂♂ in eclipse body plumage in Britton's area (gravel ponds).
25 July 8 ♂♂ in eclipse body plumage in Footprint Lake
6 Aug 30-40 ♂♂ in . . . . . . lake.
8 flying over Ikroavik census plot.
13 Aug Flock / 11 flying east over Britton's Area.
15 Aug Group / 6 in So. C.M.

RTHolmes
1964

Anas acuta

10 June Barrow, Alaska
2 pr. in Voth Area - No. 1 trapline. 2 flying near AACS.

11 June 12 ♂♂ in Central Marsh.

14 June 3 ♂♂ " " " , 1 pair in small pond in beach ridge, east of gasline.

15 June flock of 15 (mostly ♂♂). flying over No. B.R.

16 June flock of 24 ♂♂ in Central marsh.

18 June Nest with 7 eggs near stake 10.0 Trapline II - No. of beach ridge. - W. side of polygon.

25 June Flock of 18 ♂♂ at North end of Footprint Lake - 6 ♂ at south end of Ikroavik.

26 June Pair together on the ground near AACS.

Holmes, R.
1959

Polysticta stellari

14 June Barrow, Alaska
A flock of about 15 eiders, probably of this species was seen flying towards the west over the gas line road near Britton's Area.

19 June Barrow, Alaska
One pair seen this morning on a pond at the base of beach ridge. After several minutes, they took off and flew over the beach ridge in the direction of Central Marsh. Another pair was seen in the afternoon.

23 June Barrow, Alaska.
Two males were seen on ponds just No. of Wohlschlag's Slough. Their mates were not seen or flushed.

25 June Barrow, Alaska
One male seen No of East Census Area on small pond. Another pair was seen just No. of Wohlschlag's Slough.

29 June Barrow, Alaska
Several birds seen near the east census plot area during the afternoon. At first four males and one female were on one pond. They were actively feeding on

29 June. Barrow, Alaska
by dabbling. Once the ♀ and 2 ♂♂ became separated from the other ♂♂. At this time the males started a neck-jerk motion where the head was brought back over the back (with bill slightly pointed up) and then it was jerked forward. Both males did this and the female did it once also. These 3 birds then flew over to another pond where there was another ♂ and ♀. They landed some distance away from the pair and again began feeding. Gradually the two groups came together. The resident male began the head bobbing— or jerking motion. Then short chases began between this resident ♂ and the other birds on the pond including the other female. These chases lasted for 2-3 feet and were when the aggressor would paddle fast through the water and appeared to bite or at least threaten with the bill. Meanwhile the aggressor's mate remained feeding, apparently paying no attention to her mate's activity. The other female however

Holmes, R.
1959

Polysticta stellari

29 June Barrow, Alaska
was being chased by the other males who were using this head-bob action. This motion was seen when the birds were sitting in the water and when they were standing on the bank. The female was also seen using this motion several times. After about 10 minutes on this pond, two males chased the female off of the pond with both following in pursuit. They landed on another small pond about 100 yards away. One male female succeeded in driving the other male off (by short chases, accompanied with head-bobbing) and the two began feeding. On the pond there were still only one pair and 2 males. These fed in two groups away from each other.

7 July Barrow, Alaska
One male was seen in the pond at the west edge of the east census area. No female was seen. Two males were seen at 2130 flying over freshwater lagoon. They were seen again at 2330 on the ponds just west of the lagoon,

Holmes, R.
1959

Polysticta stellari

8 July Barrow, Alaska
Seven males were seen on a small pond near Voth's Area (Trapline III B). A lone female was observed in a small pond at the start of the traplines, and a pair was noted near the end of the traplines. Three males were seen where the creek empties into the middle saltwater lagoon.

9 July Barrow, Alaska
Six males seen near Voth's Area Sleeping - (during high wind).

13 July Barrow, Alaska
One male seen on a small pond in Voth's Slough.

15 July Barrow, Alaska
Two nests were discovered (near) on the south end of Footprint Lake. One was located 40 yards S.E. of the drainage canal at the So. end of the lake and about 1/4 mile So. of the gas well. It was in a slightly polygonized area which was covered by sedges and grasses. The nest, itself, was fairly high up on the polygon ring about 15 feet from the low ditch. There were 6 eggs which were about the size of a chicken egg (large) and were

Holmes R.
1959

Polysticta stelleri

15 July Barrow, Alaska

gray green in color. They were placed in a depression in the ground which was then filled with down. Upon our approach, the female sat tight and allowed pictures to be taken at a distance of 4-5 feet. She then flushed and settled in the drainage ditch about 40 yards away. The grasses and sedges were overstory above a layer of moss. The second nest was found 40 yards No. of the large pond (just So. of Footprint lake). The female was a light brown and was not heavily mottled as was the first female. The nest was on a small mound which was mostly moss covered with very little grass or sedge being present. It was about 15 feet away from a small pond (15 feet in diameter). The nest was in a moist depression and again consisted of down with some pieces of grass mixed in. It also contained 6 eggs; 2 of them however had some dark brown

Holmes, R
1959

Polysticta stelleri

15 July Barrow, Alaska
spots on the larger end. There was some willow present near the nest.

18 July Barrow, Alaska
The nests were checked during the afternoon and evening. The one near the lake was found to be destroyed, apparently by jaegers. The egg shells and down were thrown over 3 feet from the nest site. At 1430, the first nest (disc. by O'Sullivan) was beginning to hatch and the female was very slow in leaving the nest. When we returned at 1900, one young was out and the others were pipping. At this time, the ♀ was extremely reluctant to leave the nest, and finally we had to pick her up in order to see the young. She then went through somewhat of a distraction display, when she fluttered over the ground with wings outspread and flopping on the ground. Then she would raise up and hold her neck & head as high as she could and strutted around. She also emitted a loud quacking note of defiance. As soon as we backed off 2 or 3 feet

Polysticta stelleri

18 July Barrow, Alaska
she settled again on the nest. A group of seven birds were seen on Loon Pond, just S. of Footprint Lake which were in a peculiar plumage. Either they were molting females or males in eclipse plumage. The head was light brown while the body was the usual dark chestnut brown and one seemed to show the markings of males except for the coloration. A suggestion of a black spot could be seen on the side of the chest(???).

19 July Barrow, Alaska
The nest was checked again at 0900. The eggs had all hatched, and the young were quite active. The female flushed from the nest, and the young followed her. The young were light gray and had two lines of white across the side of the head.

20 July Barrow, Alaska
One flock of 13 and one of 25 seen near the duck camp. The group of 13 included one male which was still whitish, but had acquired a dusky appearance. The remainder

Holmes, R.
1959

Polysticta stelleri

20 July Barrow, Alaska
had this different plumage. The light tawny colored head with darker body and the blue speculum with white borders. These are probably eclipse males???

22 July Barrow, Alaska
The nest area was checked and no birds were seen.

29 July Barrow, Alaska
63 ♀♀ or molting ♂♂ were seen on the slough So. of middle saltwater lagoon. They were present at 0800, 1100 and 1300 and were not there at 1630. 24 were also seen on the Ocean among the ice at 1200, just west of the base.

31 July Barrow, Alaska
One ♀ seen on freshwater lagoon

29 August Barrow, Alaska
6 immatures seen in a pond near trapline III A (No. of Roth's Area). The speculum was not well developed and, in some, could barely be seen. They were not present that evening.

1 September Barrow, Alaska
21 ♀♀ on ocean near ~~Salt~~ Saltwater Lagoon (middle)

Holmes, R.
1959

Polysticta stelleri

3 Sept. Barrow, Alaska
One seen in middle saltwater lagoon. Apparently it was an immature for the speculum was indistinct but otherwise it was dark brown + barred.

Holmes, R.
1960

Polysticta stellari

9 June Barrow, Alaska
A pair seen along Elson Lagoon between Wohl + Dolgpih Slough. They were feeding in a deep trough which had some standing water (2-3"). No pond was nearby. Another pair was feeding about 100 yards away in a similar area.

10 June - 3 pair seen on ponds near Elson Lagoon / between Wohl. St + Dolgpih.

11 June - 1 pr. flying west along the beach ridge.

12 June - 2 pr. on beach ridge no. of census plot

13 June - 1 pr near Britain's Area

20 June - 1 pr seen on Beach Ridge

23 June Ikroavik (Barrow), Alaska
During the past 2 days, a pair has been seen near the wanigan. This evening, 2 ♂♂ + 1 ♀ were in the pond in front of the camp. All 3 birds were doing the head jerk - when the head is jerked so that the bill is pointing directly upward. The 2 ♂♂ ~~or~~ would do this to each other, or one of the ♂♂ would do it toward or with the ♀. These head-jerking sessions would last for 40-60 seconds then there would be a short period

Holmes, R.
1960

Polysticta stellari

23 June <u>Ikroavik</u>, <u>Alaska</u>

of time when the birds would simply feed. After several tries at this courting (head-jerking) - one ♂ flew off & the ♂ + ♀ left resumed feeding with no more courtship activities. One more point on the actual behavior. As they would raise their head which happened about twice a second, the whole anterior part of the body would raise up from

the surface of the water. At the same time, they would increase in speed, apparently by an increase in the rate of paddling (this would also aid them in "climbing" in height at the anterior end. The males were seen to do this more than the ♀; however, she did do it a couple of times.

24 June – a pair seen on the pond NE of the wanigan.

Holmes, R.
1960

Polysticta stelleri

28 June Wainright, Alaska
Several pairs & numerous ♂♂ were noted at Wainright & on the flight from Barrow.

29 June Barrow, Alaska
Several males seen between the beach ridge

30 June Ikroavik, Alaska
Two ♂♂ seen on the pond near the wanigan. When flushed, they flew to a 2nd pond beyond the 1st. It seems that ♂♂ may now be gathering & leaving the ♀♀. In the evening a pair was seen courting near the south end of the plot. Both the ♂ & the ♀ were performing the head jerk. The ♀, however, seemed to be going at it more violently, especially since she had a up & down movement combined with a forward & back motion. The ♂ seemed to just raise his head up & down without raising the bill above the horizontal. Usually after several seconds of head jerking, the ♂ would chase the ♀ & she would then turn on him & chase him. If this was on land, the ♂ stood very upright with neck stretched upwards and waddled after the ♀ until she

Holmes, R.
1960

Polysticta stelleri

30 June Ikroavik, Alaska
turned on him. In the water, the birds scooted around, propelled by a fast paddling of the feet. Sometimes the female during her violent head jerking would dive on her downward (head) stroke. The male occasionally would jerk his head forward & backward but never as hard as the female. Sometimes these periods of courtship would last 2 or 3 minutes, and then there would be a period of feeding for 30 seconds to 1 minute before courting was resumed. Once when the ♀ was in the water, she was following behind the ♂. Suddenly she turned off (90°) and began swimming faster. As she did so her body was weaving from side to side, and her wings were raised slightly (& seemed to be lifted & then closed). The tail was raised up & down several times during the performance. This lasted for about 10 seconds during which time, the ♂ turned & followed her. She was then at the edge of the pond & she walked up on to shore among a bed

Holmes, R.
1960

Polysticta stellari

30 June Barrow, Alaska - Ikroavik

of reeds; the ♂ following several feet behind her. Here she began pecking at the vegetation reeds + tossed her head to the side - as if she was picking + throwing the grass over her shoulder (I could not determine if this was what she was doing). After about 30 sec., she began to do her violent head jerking actions again (both up + down, forward + backward). The ♂ in the meantime had moved up onto the bank + was standing there in the upright posture. The ♀ then ~~suddenly~~ suddenly lowered her head, raised her back feathers and ran towards the ♂ (about 15 feet) in a very excited way. The ♂ moved quickly back into the pond; the female following. No more activities were seen. No vocal accompaniment was heard during the above performance, but there was a strong wind taking any sound away from me. This occurred on a very foggy evening (visibility 200 feet). - Pond - one of sev. large ponds - 50 x 100'

1 July - The ♂ + ♀ were present on the pond in front of the Wanigan.

Holmes, R.
1960

Polysticta stelleri

2 July Ikroavik, Alaska
The pair have again been present in front of the wanigan. On two occasions (one in the morning, one in the evening), three ♂♂ have been seen with the ♀, and I have had glimpses of courtship activities.

3 July - a nest was found about 150 yards south of Loon Lake. It contained 2 eggs, which were light, khaki green. The nest was located on a slight mound which was about 8 feet from a small pond (40x60 feet). The nest was exposed and was composed mostly of grass (lining), plus some down. Both ♂ + ♀ were present.

8 July Barrow-Ikroavik, Alaska
6 ♂♂ seen near ABes. 1 male present on pond at Ikroavik (wanigan).

10 July Ikroavik, Alaska
A nest was found 150 yards east of wanigan pond near Stake O.O. The nest is located in a crevice at the edge of a polygon. The nest was composed of pieces of grass + down - all mixed together. There were 7 tannish-green eggs.

Holmes, R.
1966

Polysticta stelleri

11 July **Barrow, Alaska**
Two nests were located on the B. Ridge near the weasel mound. One is located on the slope of the ridge (west exposure) and is in just a small depression. The ♀ can be seen from many feet away, and the nest is very exposed. There were 6 eggs. The second nest was about 30 yards away from the 1st. located on the edge of a trench across from the weasel mound. It is in among the deep furrows & is fairly well hidden.

14 July **Ikroavik, Alaska**
5 ♂♂ seen near the north slough into the lake. The ♀ is still on the nest west of wanigan pond. ♀ still there 17 July.

17 July **Barrow, Alaska**
The nest on the west slope of the beach ridge hatched this morning. By 1300 the young were following off behind the ♀. Pictures were taken. The ♀ was still on the nest near the wanigan.

18 July - A ♀ and 5 young seen on a pond, south of Wohlschlag Slough.

22 July - The 2nd nest (across from the weasel mound) on the BR was just starting to pip this afternoon.

Holmes, R.
1960

Polysticta stelleri

26 July Ikroavik, Alaska
The nest just south of Loon Lake now contains 6 eggs, and there was no sign of pipping. The nest itself is made of just small pieces of grass and no down. The grass is piled around the eggs, but cannot be pulled over the eggs, as the down usually is.

3 August Barrow - South Barrow 3, Alaska
Two broods of 7-5?- seen S of dry lake + east of Ikroavik. One of broods found at a owl nest.

7 August Barrow, Alaska
A ♀ with 3 young seen just east of the gas line near AACS. The young were banded.

9 August - A brood of 6 young were caught in our trap line near Salt Lagoon (line X - stakes 9.0 - 9.4). The ♀ was still present, and she gave a strong distraction display (One young was still alive but was quite far gone).

15 August - A ♀ with 7 half-grown young seen at the outlet into Ikroavik.

21 August The same ♀ seen with 9 young today.

Holmes, R. 1960

Polysticta stellari

25 Aug Barrow, Alaska
A flock of 8 ♀ (or/and Juvs)
Seen in Central Marsh.
3 Sept a group of 3 (1 A, 2 J) seen on fresh lagoon. Two juvenile were in both ___.

Holmes, R.
1961

Polysticta stelleri

10 June Barrow, Alaska
4 pr. seen No. of Voth's area - in the afternoon & again late in the evening. They were all in 1 pond & were not courting.
12 June This same group was seen near the new gravel road (Voth Road) in the afternoon.
13 June - A pair seen at Wamgan Pond, Ikroavik.
17 June A group of 18 on Voth - creek - just So. of Emmily lagoon.
20 June A group of 7 near Ikroavik.
18 Aug. None seen on tundra recently. Apparently no nesting this year.

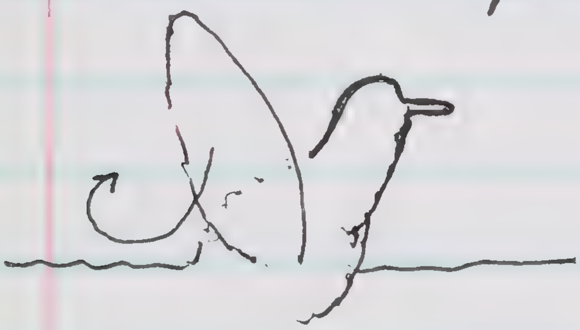
Holmes, R.
1962

Polysticta stelleri

8 June Barrow, Alaska
9 birds - 5♀♀ + 4♂♂ - seen sitting in gravel ponds near Voth + Barrow Rd. junction

10 June - 2♂♂, 2♀♀ on the ponds So. of B n Hank's Area.

14 June 3 pair seen so. of the Oldsquaw census plot. One ♂ was washing. There was very little of the head ducking behavior - which sometimes throws water over the back. Instead, the bird would rear back so the mid belly was at the water line & the the wings were half opened + rotated rapidly in a way which splashed water forward & up into the air. This could be seen for quite a distance - since the splashed water was at least 3-4' above the pond. This motion again was to raise the wings rotate them back & down - scooping up water & splashing it forward onto the body & into the air so



that it would fall over various parts. The bird would then flutter the wings - the air - in typical duck - shaking movements - settle down & preen. Then another water bath.

16 June 2 pair on N.S. side of beach ridge; 1 pair near Elson lagoon

17 June - Flock of about 10 pair on pond near Elson lagoon.

Holmes, R.
1962

Polysticta stelleri

21 June Barrow, Alaska
4♂♂ + 4♀♀ seen flying as a flock over Wanniger(?) cell - at Ikroavik. Two pair seen near insect plots.

25 June Nest with 4 eggs at edge of large polygon pool in mossy bank - 200 yards S. of South Salt Lagoon. (NW of Voth - SW of Brower Hse) Area).

4 July 18♂♂ + 1♀ a Fresh Lake. ♂♂ were beginning to body molt.

9 July Group of 6♀♀ - with large number of Phalaropes at the south end of Ikroavik

16 July 2♀♀ on Arctic sea - west of camp.

Holmes, R.
1963

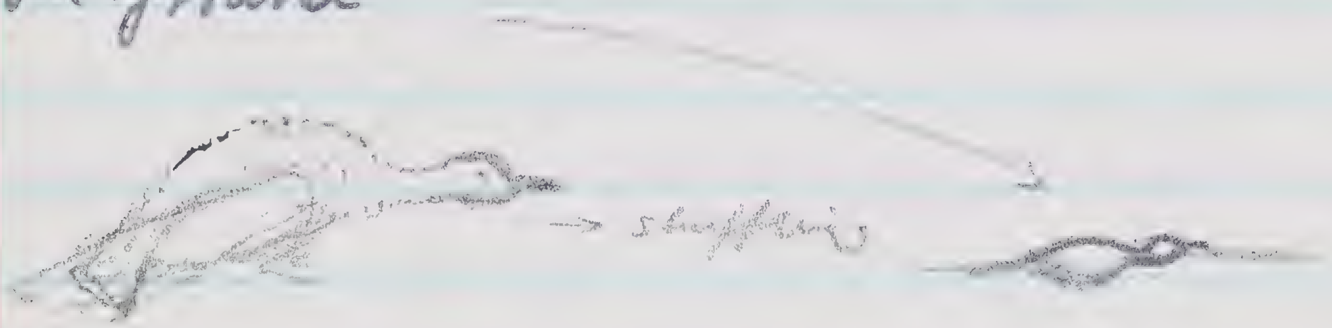
Polysticta stelleri

8 June Barrow, Alaska
4 pair on pond - No. 1 Wahlschleg, [illegible].
9 June 3 pair near Ookpik Slough
11 June 3♂, 2♀ - flying east along gravel line ridge
15 June 2 (pair) on census plot.
16 June 2♀♀ + 1♂ on Ookpik Slough (now filled with water) + 2♂♂, 1♀ flying over beach ridge near magnetic station.
17 June Pair on census plot
25 June 2 pair near 20.4 - on Ikroavik plot.
30 June Nest with 7 eggs 40' west of Footprint lake - Road 10 yds north of the lake. Nest - in small depression on a low polygon. The bird when first noted, was giving a distraction display to a jaeger (pom) which had a [illegible] nearby. She was shuffling off through the troughs with head bent forward, back feathers ruffled, wings drooped & held out or [illegible] from the body, Tail depressed & partly spread. At one point, the jaeger landed nearby, & the ♀ being away from the nest at this point but still in distr. posture, turned & hissed at the jaeger - who showed no concern. A little later, she assumed a rodent run posture - identical to that of shorebirds - except that the tail was only slightly lowered & was not spread. She [illegible] as she ran off - [illegible]

Holmes, R.
1963

Polysticta stellari

30 June Barrow, Alaska
dusk-fashion. Later - she walked back & sat on the nest - head flush with the ground



7 July 1♂ & 3♀♀ on a pond near south end of census plot.
13 July 4♂♂ in eclipse body plumage on ponds north of Ikrovavik. Nest north of Footprint still intact.
17 July Nest along gasline road - north of Footprint hatched in the last 3 days - the ♀ & her chicks were not in the immediate vicinity.
18 July Nest found at the edge of a small (20' dia) pond 300 yds south of South Salt Lagoon (NE of Insect area). It had just hatched - 1 young was in the nest - wet & the other 4 were there when I came up - but moved off. The ♀ remained close by - on the next pond, 20 yds away - giving a low cackling call.
22 July 6 ♂♂ in eclipse body plumage on Fresh Lake
24 July 8 ♂♂ " " " " " "
♀ with 4 chicks south of USFW tower (? banded).
♀ gave a low guttural räärk at which the chicks remained motionless.

Holmes, R.
1963

Polysticta stelleri

13 Aug BARROW, ALASKA
One ♀ (or eclipse ♂ ?) at pond edge in North
Salt Area.

Holmes. R.
1964

Polysticta stelleri

11 June Barrow, Alaska
pair in small pond near C + geod. Survey
magnetic station. - BR.
13 June Pair in central marsh
18 June " on pond on beach ridge - west of gasline
19 June Sev. pairs between beach ridge + gasline ridge
25 June 1 pair flying over Skovanik census plot.

Holmes, R.
1959

Lampronetta fischeri

7 June <u>Barrow, Alaska</u>
One flock of 12 birds flew eastward within 30 yards of the observation Point. The white area on the side of the head was not sharply defined, but was noticeable.

19 June <u>Barrow, Alaska</u>
A group of 15-16 flew over the beach ridge heading toward central Marsh.

23 June <u>Barrow, Alaska</u>
Several small groups seen flying inland near the east census area.

3 July <u>Barrow, Alaska</u>
One male seen east of Nuwuk in company with King + Common Eiders and Old Squaws.

31 July <u>Barrow, Alaska</u>
One molting ♂ found dead along Elson Lagoon.

11 August <u>Pitt Point, Alaska</u>
A ♀ and 6 young were seen on a small pond (60 x 500 ft) about 1 mile so. of the base. The young had attained their barred, brownish plumage. The "spectacle" was noticeable.

Holmes, R.
1960

Arctonetta fischeri

7 June Barrow, Alaska
A pair was seen So. of Wohl. Slough &
No. of Ookpik. They were flying
southward.

9 June - The above (?) pair was seen in the
morning & afternoon sitting on a pond
about ½ way between the two
sloughs. They were flushed 3 times
during the course of my fieldwork, &
each time, they returned to the
same vicinity.

23 June Ikroavik, (Barrow), Alaska
A pair seen flying north over the
plot

24 June - A pair seen during the entire day on
the pond, in front of the wanigan
A ♂ was seen at the mouth of
the 2nd inlet into the lake.

25 June - The pr. is still present on the pond
They will feed for an hour or two
and will then climb up onto the bank
& preen or sleep.

29 June Ikroavik, Alaska
The ♂ was sitting on the edge of the
pond this evening. The ♀ was no where
to be seen.

1 July ♀ seen near So. end of census plot. ♂ still
present in front of wanigan

Holmes, R.
1960

Arctonetta fischeri

2 July **Ikroavik, Alaska**
The ♂ in the pond by the wanigan usually stays by himself (away from the Steller's Eiders + old squaws), and when he does encounter them during feeding, he usually just moves in the opposite direction. Once the ♂ Steller's pecked towards him + started to chase him, but this only lasted a second or two. He often spends his time sleeping or preening on the bank.

14 July - No sign of the birds have been seen since 8 July (when the ♂ was seen).

16 July **Barrow, Alaska**
A ♀ + 6 young seen in a pond south of Walakpa(?) Slough near the fertilizer plots.

21 July - A brood with young was reported near the main inlet into Ikroavik (NE of the wanigan by Harry Brower.

28 July - a ♀ with 5, 1 week-old chicks, was seen near the meadow lakes. Three of the young were banded. Another brood w/6 downy chicks were seen by Wecker in the same area during the afternoon. Several ♀♀ seen together in the area.

Holmes, R.
1960

Arctonetta fischeri

3 August Barrow = So. Barrow ?, Alaska
One brood of 6 young seen S.E. of Dry Lake. Two ♀♀ were in attendance. Three other ♀♀ seen flying near Antler Lake.

Holmes, R.
1961

Lampronetta fisheri

13 June Ikroavik, Alaska
A pair seen on wanigan pond.

20 June 1 ♂ + 2 ♀♀ seen on the 1st slough, so. of the wanigan (at 10.0). - remained there for at least 3 hours.

24 June 4 ♀♀ seen together, south / Wolf. slough.

13 July 1 ♀ seen on a pond just So. of Wobbsdle slough & east of the main trail - crossing the slough.

Holmes, R.
1962

Lampronetta fischeri

14 June Barrow, Alaska
- Two ♂♂, 1 ♀ on ookpik Slough. A pair seen on the south end of the Ikroavik census plot.
16 June - One pair on pond near Elson Lagoon - seen again in the evening.
21 June ♂ + 3 ♀♀ on south end of Ikroavik Plot & a pair on pond N. of Ikroavik & west of Footprint lake.
27 June 5 ♀♀ (or (eclipse ♂♂ ?) on Ikroavik plot.
5 July 4 ♀♀ on lower end of Ikroavik Plot.

Holmes, R.
1963

Lampronetta fischeri

7 June Barrow, Alaska
One ♂ on gravel pits at Brower's Ave.
8 June Pair on Wahl. slough.
9 Jun 2 pair near Ookpik Slough
15 Jun 2 ♂♂ + 1 ♀ on census plots.
28 June ♀ on pond - east of gravel ridge.
17 July ♀ + 5 downy chicks located by Lograde in Arctophila - filled pond, 200 yds SE of north meadow lake. In late afternoon I went out looking for them & saw the ♀ + 3 young. - They could not be caught for banding or specimens
20 July 2 ♀♀ on pond north of Ikroavik lake
23 July 1 ♀ - being chased by Pomarine jaeger - see that species account.
25 July 3 ♀♀ on Ikroavik census plot.
6 Aug 3 " " " " " (molting ♂ ?)
10 Aug 1 ♀ with 5 large ½-down young - not yet able to fly. - 2 banded. - South of south meadow lake - may be that brood seen on 17 July.
15 Aug 1 ♀ with 5 young. 300 yds - SE of S. Meadow lake - young not flying - may be same brood as above

Holmes, R.
1959

Somateria spectabilis

5 June Barrow, Alaska.
1 flying with 75 S. mollissima near Nuwuk.

7 June Barrow, Alaska
About 200 seen on the lead. Most were seen flying East, but occasionally one or a small groups would fly to the West. The average sized groups seemed to consist of 10-14 birds with about a 50:50-sex ratio. Occas. a pair would be seen in the water or flying by.

10 June Barrow, Alaska
A flock of 20 seen flying over the gas well road towards the N.W. - in company with several Old Squaws.

12 June Barrow, Alaska
One pair seen flying near Voth's area. They were headed ~ N.W.

13 June Barrow, Alaska
One flock [herd] seen flying west over the beach ridge. There were about 20 present with nearly a 50:50 sex ratio.

14 June Barrow, Alaska
One seen on salt water lagoon west of base.

Holmes, R.
1959

Somateria spectabilis

19 June Barrow, Alaska
A Group of 15-16 flew over the beach ridge in the direction of central marsh.

29 June Barrow, Alaska
One male seen on freshwater lagoon at 1300 and 1730.

2 July Barrow, Alaska
One male still present on Fresh-water Lagoon among the old-squaws. He was seen diving several times.

5 July Barrow, Alaska
Several (6-8) males and a few females (or Imm.) were seen on the pond near the end of the spit, east of Nuwuk.

20 July Barrow, Alaska
Several males seen between ARL and Nuwuk. Most were flying westward.

31 July Barrow, Alaska
One male found with a broken wing on the shore of Elson Lagoon. Two other dead males also found

5 August Barrow, Alaska
Several large flocks were seen flying over the sandspit. Most of the birds were in molting plumage. Several individual birds were seen in Elson Lagoon. No females were noted.

Holmes, R.
1959

Somateria spectabilis

29 August Barrow, Alaska
One male seen at the mouth of Wohlacklog Slough. It was in full eclipse plumage and was unable to fly. The plumage color was very dark with some gray mottling about the neck and head. A female was also seen in the same locality.

3 Sept. Barrow, Alaska
One male in complete eclipse was seen 20 feet off shore in the Arctic Ocean in front of the base. The bill profile was diagnostic but otherwise it was brown, barred with black.

Holmes, R.
1961

Somateria spectabilis

10 June Barrow, Alaska
Flock of 6 & 1 of 8 (½ ♂♂, ½ ♀♀) - seen flying over V.O.P.H.'s area.

27 June - 2 ♂♂, 1 ♀ seen on the small lake - "loon pond"; just So. of Footprint. These seemed to be 1 pr + this extra ♂? They were all sitting on the bank.

Holmes R
1962

Somateria spectabilis

30 May Barrow, Alaska
Several ♂♂ + ♀♀ in large flocks of Common Eider (S. mollissima) flying to the east over the tundra behind ARL.
14 June One flock of 18 birds flying to the NE. over the Beach Ridge

Holmes, R.
1963

Somateria spectabilis

7 June Barrow, Alaska
large flock, mostly ♂♂ flying to the east today. 1000's going by on northward - probably also along the lead.

8 June One ♂ on gravel ponds at Britton's Area.

R.T. Holmes
1964

Somateria spectabilis

3-20 June <u>Barrow, Alaska</u>
Scattered flocks seen moving east during the period - ~~especially~~ mainly - one day with a west wind (see journal).

25 June Pair on margin of pond at Ikroavik census plot & pair on narrow moat at south end of Ikroavik.

27 June Several flocks (15-30) moving west. [illegible] only.

Holmes, R.
1959

Somateria mollissima

3 June Barrow, Alaska
1 flock of 75 seen near Nuwuk.

7 June Barrow, Alaska
Several groups of 8 - 16 birds seen sitting on the water on the lead (Arctic Ocean). They were about 400 yards off shore and were too far for observations. Others were seen flying towards the east.

5 July Barrow, Alaska
Three males seen on the pond at the end of the spit east of Nuwuk. They were in company of several King Eiders and Old Squaws. Once they climbed out together on to the ice and stayed there for about 5 minutes.

20 July Barrow, Alaska
Six males seen flying east toward Nuwuk during the afternoon. A few other individuals rested on the water between the base and Nuwuk.

31 July Barrow, Alaska
One male seen Elson Lagoon and one molting ♂ found on the shore

Holmes, R.
1962

Somateria mollissima

30 May | Barrow, Alaska
Several large flocks - (200-300) predominantly of this species - both ♂ + ♀ - with a few King Eiders. - flying to east.
2 June | 4 ♂♂; 1 ♀ flying near Elson Lagoon
14 June | Several flocks flying over during the day - both ♂♂ + ♀♀

Holmes, R
1963

Somateria molissima v-nigra

9 June Barrow, Alaska
Individuals have been seen - mixed in with King Eiders flying to the east during the last six days
today - large flock of 200 - about ♂ + ♀ flew across Ooloyuk Slough going east.

Holmes, R
1964

Somateria mollissima V-nigra

19 June Barrow, Alaska
1 ♂ on pond west of gasline - below gasline ridge area.

Holmes, R.
1959

Clangula hyemalis

7 June Barrow, Alaska.
Many noted in the lead off the base. These consisted of both ♂♂ and ♀♀ in varying stages of plumage. Both complete winter and full summer plumage was noted. The birds were moving in all directions which seemed to be a random movement. A group of 20 or 30 would fly to the west and then turn and fly east again. There was no pattern to their movement - such as migration - possibly they are waiting for the melt off to begin - so they can move on to the ponds and begin breeding activities.

10 June Barrow, Alaska
One flock of about 40 seen flying toward the NW over the gas well road. Several more seen with a group of 20 King Eiders as they passed over in the same direction.

12 June Barrow, Alaska
2030. 1 pair seen in freshwater lagoon where the water has melted enough to have several small

Clangula hyemalis

12 June Barrow, Alaska
ponds. They appeared to just be sitting on the water with no other noted activities.

15 June Barrow, Alaska
Several pair seen on the ponds near the drum area.

23 June Barrow, Alaska
Several individuals and small groups seen over the tundra and along Kohlsechloss Slough. They were not seen on the ponds.

25 June Barrow, Alaska
Several pairs noted near freshwater lagoon and adjoining ponds.

30 June Barrow, Alaska.
Large groups of mostly males were noted during the morning and afternoon on freshwater lagoon. They were in the water between the road and the ice (about 40 feet wide. Feeding (by diving) was the main activity.

2 July Barrow, Alaska
125 ♂♂ were present on freshwater lagoon in the morning and afternoon. Several of these were almost completely in their winter plumage. 3 females were noted in the group

Holmes, R
1959

Clangula hyemalis

4 July Barrow, Alaska
About 125-150 were present on fresh-water lagoon; the majority were males. Several were noticed in their winter plumage so apparently molt is underway. These birds are still able to fly and do so when a vehicle comes along the road.

5 July Barrow, Alaska
Many small groups (10-20) seen in the pools and ponds between the airport, Nuwuk, and the end of the spit.

7 July Barrow, Alaska.
There are still 50-75 birds on freshwater lagoon, which fly whenever a vehicle goes along the road. Most seem to spend their time diving while a few will sit on the shore or on the ice. A nest was located about halfway out in the dump area near the gas line. It was on the ~~south~~ slope of a high polygon about one foot from a small (6' x 15') of water. It was located in a patch of tall grasses, but was

Holmes, R.
1959

Clangula hyemalis

7 July Barrow, Alaska
not hidden by them. The nest was composed of down which had picked up a few pieces of grass and these had become intermixed with the down. The 6 eggs were tan-colored with no spots. The down was not covering the eggs, due to the fact that the female was flushed from the nest. Several other females have been seen on small ponds between the drum and the beach ridge.

10 July Barrow, Alaska
The nest was checked and still had the 6 eggs.

13 July Barrow, Alaska
Only 12 were present on freshwater lagoon during the afternoon and these were spread along the edge of the ice.

15 July Barrow Alaska
Several were seen near the south end of footprint lake (not in the lake itself but in the ponds near it). Both males and females were seen. Also 30-40 were noted along the ocean just so. of the base.

Holmes, R.
1959

Clangula hyemalis

17 July Barrow, Alaska
The nest was checked in the drum area and was found to have been destroyed. The eggs and down was scattered all around (8') the nest site. It must have happened several days ago for the yolk, etc. had dried! The nest had been located in some Dupontia which was about 6" tall, but possibly this was not enough to conceal the nest.

18 July Barrow, Alaska
Several small flocks were noted near the surf between ARL and the village. They were in combination winter-summer plumage.

20 July Barrow, Alaska
Many small groups of these, sitting on the water and flying westward between ARL and Nunavak.

23 July Barrow, Alaska.
Two seen on middle saltwater lagoon during the afternoon

31 July Barrow, Alaska
Three were present of freshwater lake. One male in winter plumage and two moulting females

Holmes, R.
1959

Clangula hyemalis

3 August Beechey Point – Pond 2, Alaska
Many groups of flightless birds seen between Beechey Point and Pond 2. Most of these appeared to have completed their body molt.

5 August Barrow, Alaska
Several seen on freshwater lagoon incl. one ♀ and 6 young. Also 8 birds were seen on upper meadow lake. Flocks of 30-40 were present on the lagoon and ocean side of the spit going out to Nuwuk and the pass. Some were body molting but others were still in their breeding plumage.

11 August ~~Barrow~~ Pitt Point, Alaska
15 were present on the pond west of the base

19 August Barrow, Alaska
12 were present on upper Meadow lake. These were still in their breeding plumage and were ♀♀.

24 August Barrow, Alaska
32 seen on upper Meadow Lake.

25 August Barrow, Alaska
6 present on freshwater lagoon. 5 were females and 1 was a male. All were in breeding plumage.

Holmes, R.
1959

Clangula hyemalis

27 August <u>Barrow</u>, <u>Alaska</u>
Thirty one seen on freshwater lagoon. These were both males and females and all phases of body molt was noted. Apparently wing molt has not started yet (or has already been completed). 6 large flocks seen along Elson Lagoon and the shore of the Arctic Ocean between ARL and Nuwuk. These birds were still capable of flight. Some males were in their full breeding plumage.

1 September <u>Barrow</u>, <u>Alaska</u>
7 seen along the shore near middle saltwater lagoon. These were both ♂♂ + ♀♀ - all in winter plumage.

Holmes, R.
1960

Clangula hyemalis

5 June Inaru River, Alaska
About 50 individuals seen sitting in the river during the late afternoon. Both ♂♂ + ♀♀ were present

10 June - Barrow, Alaska
42 were seen flying overhead. They were in 1 flock + were flying eastward out over Elson Lagoon.

12 June - 2pr seen on the stream going into salt water lagoon.

13 June - 1pr. on pond near Britton's Area

14 June - 1pr. near ridge plot, Ikroavik

17 June - 1 pr seen courting in the drum area. When first noticed, the birds were flying back and forth over a small (30' x 80') pond. Finally the ♀ landed on the water, and the ♂ flew in right behind her and landed about 5' from her. She began swimming slowly and the male followed. At several second intervals, the male would throw his head back so that the bill was straight upwards, so that it was vertical with the water. As he did this he gave the loud har-ha-lick'; the lick portion being given when the head was vertical.

Holmes, R
1960

Clangula hyemalis

17 June **Barrow, Alaska**

This lasted for about 1 minute during which the ♂ gave several calls. He then speeded up & tried to climb onto the back of the ♀, but she scooted away. This was attempted several times, and finally, the ♀ took flight, the male followed & the whole procedure started all over again. During the 35 minutes, I watched this pair, over 20 minutes was spent in the air flying back & forth over this pond. Once on the water, the ♂ succeeded in landing on the ♀ and both birds went under water for a fraction of a second. Copulation may have taken place (?). This appeared to be a late stage in courtship between the members of a pair.

23 June **Ikroavik (Barrow), Alaska**

Numerous pairs are now seen in the vicinity of the wanigan and the plots.

28 June **Wainright, Alaska**

Several birds (mostly ♂♂) were noted on ponds near the site.

1 July **Ikroavik, Alaska**

Several pairs present near on the census plot

Holmes, R.
1960

Clangula hyemalis

8 July Ikroavik, Alaska
Several seen near the wanigan in the plot. There still seems to be some chasing going on + it is still possible to hear the low-like calls on the ponds.

11 July Barrow, Alaska
See Pintail - 11 July account for comparison of eggs. A nest was found 4 feet from the nest of a pintail on the ridge near the 1st row of beverage antennas. Another was located near the weasel mound on Pitelka's Plot on the south end of the B. Ridge.

17 July - Occasional birds seen on ponds. The nest by the weasel mound is still intact.

21 July Ikroavik, Alaska
A brood of 7 young + 1 ♀ were seen on the pond near the wanigan. Two ♂♂ were also present. Several days ago, Maher found a chick in one of his jaeger enclosures.

3 August Barrow = So. Barrow 3, Alaska
Three broods seen. One was with several-day-old chicks, the others were about 2 weeks of age.

Holmes, R
1960

Clangula hyemalis

16 Aug Barrow – Cape Lisbourne, Alaska
Flocks of hundreds were seen along the coast from Lis. A to Barrow. There were often rafts of birds present on the ocean (several hundred yards from shore).

25 Aug - 2 on Freshwater Lagoon

Holmes, R.
1961

Clangula hyemalis

7 June Barrow, Alaska
A pair seen flying over the beach ridge. Five pair in ponds between Britton's & Roth's areas.
9 June 15 pr. in slough behind ~~fresh~~ salt lake.
10 June Pairs are now seen on the lakes & sloughs. 1 pr was near fresh lake (just W toward the drum area), one was in So. end of fresh lake. Several were seen flying over the beach ridge.
11 June Several pair seen between camp & the Beach Ridge
13 June Pairs are now spotted on the various ponds. Two were on Waniga pond. A ~~female~~ male killed by Chamberlain had a stomach & crop packed with large red chironomids & a few caddis fly larvae.
17 June Many pair seen - usually 1 pair to a pond.
7 July Lge numbers seen on the pond S & W of the So. end of the plot at Schroeder - 50-60 birds ♂♂ & ♀♀
13 July None seen during the last 6 days. Nests of this species have not been found this year!
23 July Flock of 6 seen on a lake near Ookpik.
24 July 10 scattered birds in Fresh Lake.
2 Aug - 2 seen on Fresh lake
18 Aug - None seen recently.

Holmes, R.
1962

Clangula hyemalis

30 May → 7 June **Barrow, Alaska**
Several birds heard flying at a distance - see journal for records

8 June Two pair on gravel pond - near Voth & Barrow Road junction - ♂♂ were courting ♀♀ - with flapping-over-the-surface action & given loud call.

9 June 9 individuals (5 ♀♀; 4 ♂♂) on gravel pond - late in the morning (1200) - 14 were seen - with some courting going on. 8 pair were on these ponds in the evening.

14 June A number of pair seen on Ookpik slough & ponds in the vicinity

17 June 2 pair on Wohlschlag Slough & adjacent ponds.

21 June Two pair on census plot at Ikroavik

28 June 3 pair seen on Voth creek.

2 July Several pairs seen on / near Ikroavik lake

5 July Pair on pond at south end of plot - 15-20 - moulting ♂♂ on lake to west of white-rump's sector of plot.

9 July One pair seen near so. end of plot + several ♂♂ were on pond at the so. end of Ikroavik.

28 July Two family groups with young almost to the flying stage were seen - fresh lake.

Holmes, R.
1963

<u>Clangula hyemalis</u>

4 June <u>Barrow, Alaska</u>
Two flocks - one of about 12, one of 20. - mixed sexes flying east over beach ridge

6 June Several flocks flying to the east over Village Slough & later in the afternoon - over beach ridge.

17 June A pair on wannigan pond - Ikroavik & several birds along the moat of Ikroavik.

21 June Several pair along Ikroavik census plot.

1-7 July Several birds - ♂♀ - in fresh lake

Holmes, R.
1964

Clangula hyemalis

6 June Barrow, Alaska
flock of ~30 flying east over beach ridge
11 June Pair along First Lake.
14 June 2♂, 1♀ " " "
20 June 1 nest with 7 eggs on top of large tussock lichen-moss covered mound, 50' from north shore of No. Meadow Lake. A bowl with several old egg shells under newly added down – probably a site which had been used previously
25 June Pair on warming pond at Stevens' census plot

Holmes, R.
1964

<u>Buteo</u> <u>lagopus</u>

3 June Barrow, Alaska

One sitting on owl mounds on Pitelka's bird study plot - several times supplanted and chased by a Pomarine Jaeger - finally flew off to the south.

Holmes, R.
1959

Falco rusticolus

7 August Barrow, Alaska
One seen sitting on "owl" mound just west of Ikpik Slough. After several minutes it flew off low over the tundra towards the south.

R. T. Holmes
1963

Falco peregrinus

24 July Barrow, Alaska

One flying above antenna poles south of AACS & then landing on a cross piece of one of the tall "power" -poles. - Seen again later in the day by Childs, et al.

Holmes, R.
1959

<u>Grus</u> <u>canadensis</u>

23 August <u>Barrow</u>, <u>Alaska</u>
Four birds were seen just south of Voth's Area near the creek that drains Voth's Slough. They appeared to be feeding & were seen there in the morning and evening by Lowell Douglas. During the evening, they were noted prancing about with wings half raised & one was seen to chase another with the wings half-spread. After watching them for several minutes, we approached within 50 yards before they flew.

Holmes, R.
1962

Grus canadensis

28 May Barrow, Alaska
3 seen feeding in large grassy area - south of Denali Gate & So. of the village. These appeared to be taking vegetation!

10 June 1 Bird seen flying east over Elson Bluff - just north of Wolfsebldg.

15 June 2 flying high - over the drum area - giving the low - croaking call.

23 June 1 seen flying So. along Elson lagoon (near Brant Pt.).

8 July 4 flying west over Beach Ridge & across centre marsh.

Holmes, R
1959

Squatarola squatarola

17 June Meade River, Alaska
Several seen flying over the tundra near the Meade and Inaru Rivers.

24 July Barrow, Alaska
Three seen along the shore of Fresh-water Lagoon at 0900 and 1200.

31 July Barrow, Alaska
10 were present on the south shore of Freshwater Lagoon. Most of these were moulting.

25 August Barrow, Alaska
One heard on the east side of the Beach Ridge.

Holmes, R.
1960

Squatarola squatarola

5 June Inaru River, Alaska
1 seen near the river during the late afternoon.

26 July Barrow - Ikroavik, Alaska
Three birds seen feeding in the delta at the south end of the lake. They were molting

29 July Barrow, Alaska
Two seen along the shore at Fresh Lake.

3 August Barrow - So. Barrow 3, Alaska
Numerous birds were encountered between the south end of Ikroavik & So. B. 3. I would estimate that 40-50 were seen; all of them were feeding in wet marsh areas. One other was seen just north of Footprint Lake. All individuals appeared to have a completely white tail. No speckling or barring could be seen.

13 Aug. Barrow, Alaska
Three seen in Central Marsh.

3 Sept Ikroavik, Alaska
1 seen at the creek near the wanigan. It was a juvenile in partial fall plumage.

Holmes, R.
1961

Squatarola squatarola

11 Aug Barrow, Alaska
3 seen in central marsh.
16 Aug -1 near insect plots
17 Aug -3 near fertilizer plots along with sev. juv. golden plovers.

Holmes, R.
1962

Squatarola squatarola

10 June Barrow, Alaska
One individual in breeding plumage seen in the marshy flats - so. of Butler's Area.

25 July 1 seen near Brant Point - Elson Lagoon.

28 July Flock of 6 feeding along the eastern side of Central marsh.

30 July 1 in Central marsh + 1 N.E. of magnetic station (Beach Ridge)

31 July 3 NE of magnetic station - "

18 Aug 6 in the wet carex - marsh near Brant Pt.

25 Aug 1 immature seen on the south side of the beach ridge - near the gasoline.

Holmes, R.
1963

Squatarola squatarola

23 July Barrow, Alaska
Flock of 6 (adults?) flying north along
Ikroavik Lake
7 Aug 1 in central marsh.

Holmes, R.
1964

Squatarola squatarola

14 June Barrow, Alaska
One feeding on east slope of Beach Ridge -
Pitelka's census plot.

Holmes, R.
1959

Pluvialis dominica

17 June Colville Delta and Pow 2, Alaska
Several noted near the landing strip at POW 2 and a few were seen flying over the Colville Delta.

19 June Barrow, Alaska
These birds were quite common today. They could be heard giving several kinds of piercing calls as they flew across the beach ridge. Several pairs could be seen along the edge of the ridge and on the low flats.

23 June Barrow, Alaska
Several seen scattered out along the beach ridge and adjoining low lands. They do not seem to be abundant.

6 July Barrow, Alaska.
Three seen just SO. of the beach ridge in the vicinity of the beverage antennae. These were feeding. Three others were noted in central marsh near the trap lines.

7 July Barrow, Alaska
A pair was seen and a nest was located 50 yards east of the west beverage antennae (just NW of HACS). The nest was just a depression in the ground where the

Holmes, R
1959

Pluvialis dominica

7 July Barrow, Alaska

four eggs had been laid. The eggs were light green mottled with dark brown or black spots and small blotches. This coloration matched the locale where the nest was located. This was a a high mound (surrounded by other similar mounds) on the north slope of the beach ridge where the soil was black and where it was interspersed with lichens and mosses. Some grass was growing a few inches away from the nest but was not close enough to hide the eggs. The eggs and ground are matched so perfectly it is hard to see the eggs even though you know they are there. When the female was flushed she would fly about 10 feet, low over the ground and then assume a grouse-run posture: Tail lowered and somewhat spread and hunched over. After she had moved 6-10 feet in this position, she then performed a

Pluvialis dominica

7 July Barrow, Alaska
broken wing act. She up-ended, that is the tail end came up and the neck rested on the ground and wings were spread like so:
She then flopped in this position for several seconds and at the same time - moving several feet.

Finally she seemed to give up and assumed a normal posture. This was when she was nearly 70 feet away from me. During this whole performance, various sharp call notes were given attempting to draw the observer attention toward the feigning bird. The mate of this bird did not show up until I was leaving but he immediately joined the first bird in giving loud sharp call notes as I departed.

10 July Barrow, Alaska
6 seen in a small flock on Voth's area.

13 July Barrow, Alaska.
The nest on the ridge was checked at 1500. The eggs were not present,

Holmes, R.
1959

Pluvialis dominica

13 July Barrow, Alaska
and there was no sign of the adults. There was a Snowy Owl sitting about 50 yards away. Possibly it had taken the eggs, or they had hatched and left the area.

15 July Barrow, Alaska
Three seen at the north end of Footprint Lake.

16 July Barrow, Alaska
5 seen in the Voth's Area at 1700.

20 July Barrow, Alaska
Three seen in Voth's Area

23 July Barrow, Alaska
Three seen just no. of Footprint Lake. all were adults

31 July Barrow, Alaska
One mixed flock of 15 Golden Plovers, 10 Black-bellied and 30 Ruddy Turnstones were present at Freshwater lagoon. Several other groups of three and four were seen in Central Marsh and near Wohlschlag's Slough.

1 August Barrow, Alaska
A group of widely scattered individuals was seen in the southern half of Footprint Lake feeding in the marshy lake bottom

Holmes, R.
1959

Pluvialis dominica

1 August Barrow, Alaska
One seen on the grassy slopes NE of Ikroavik lake.

4 August Barrow, Alaska
A group of 30 were feeding on the southern end of Footprint lake in company with Pectoral and Red-backed Sandpipers. Some individuals have almost completed their body molt, while others have just begun.

6 August Barrow, Alaska
60-80 birds were present on the No. half of Footprint Lake. They were feeding among the small ponds and marshes with other shorebirds. The molt is still in process.

7 August Barrow, Alaska
Many were present on Footprint lake and 30-40 were present in Wohlschlag Slough area and Central Marsh.

9 August Barrow, Alaska
30-40 were present on Footprint lake during the late afternoon

19 August Barrow, Alaska
About 15 birds were seen between Voth's Area and Footprint Lake. These birds were all in their

Holmes, R.
1959

Pluvialis dominica

19 August Barrow, Alaska
fall plumage and were encountered in groups of 2 and 3 feeding on the "dry" hilly slopes. None were seen in the footprint lake bottom.

24 August Barrow, Alaska
Four seen along the Beach Ridges. These were all in fall plumage.

27 August Barrow, Alaska
One seen just no. of Wahlsedlog Slough, and two more were noted near the mouth of the slough. all were in fall plumage.

Holmes, R.
1960

Pluvialis dominica

2 June Barrow, Alaska
1 seen near Sokpik slough by Maher
12 June - A pair located so. of the main inlet into Ikroavik.
13 June - 1 pr. seen on beach ridge near beverage antennae. Several other indiv were noted along the ridge.
16 June - Several birds seen along the beach ridge in the morning. No evidence of settled birds was noted.
20 June - 1 pr. seen on Beach Ridge
23 June - Several pairs seem to be residents of the plot at Ikroavik. The wing raising in these birds is very similar to the behavior in the Sandpipers. It also appears to be a type of recognition signal, as it is often given upon landing
28 June Wainright, Alaska
Several pair seen near the site.
1 July Ikroavik, Alaska
Two nests found on the north 40 - portion of the census area. One had 3 eggs (light colored with dark black spots). The second nest, 1600 feet away, had 4 eggs, which were more heavily splotched than the other set.

Holmes, R.
1960

Pluvialis dominica

2 July Ikroavik, Alaska
Nest #1 still had 3 eggs today. These are tan in color with black spots + small black splotches. Both birds were present at the nest. The ♀ gave a very pronounced mouse run + became very excited. Even when I was sitting at the nest site taking pictures, she would stand 40 feet away + call + run a few feet in the mouse run posture (head down, back feathers up - tail lowered - giving her a hunched over appearance). The nest is located on the top of a low, high-center polygon among a patch of black moss. The cup is lined with grass + there is no other grass nearby. Cassiope is fairly common around the nest (among the moss). Nest #2 is located on another small, high-center polygon. The nest is a cup or depression in the black + green moss at the highest point of the polygon. The cup contains grass, but there is little other grass within 4-5" of the nest. It almost appears that this nest lining may have been gathered &

Holmes, R.
1960

Pluvialis dominica

2 July Kaoavik, Alaska
placed into the depression. Only 1 bird was present. The nest contained 4 eggs, which are colored similarly to the other mentioned previously.

8 July - Nests still being incubated. The one near the weir (northern most) - still has only three eggs. A group of 5 or 6 birds were seen around the nest on the lower portion of the plot. When the incubating bird left the nest & began to call, the others all chimed in & all 7 birds were calling back & forth. Finally the transients flew off towards the north.

14 July - The two nests were still intact & the birds were incubating.

15 July Barrow, Alaska
a nest seen today NW of TRAPLINE III B. It contained 4 eggs (1 cracked, which was removed). It was located on a polygon top in a peaty area.

17 July Kaoavik, Alaska
The nest with three eggs in the north part of the plot had one eggs

Pluvialis dominica

17 July Ikroavik, Alaska
which was pipping. The ♀ was beginning to molt on the ventral surface. The nest with 4 eggs had only 1 adult present, and the eggs were not pipping. One of the common alert notes + disturbance notes is bip-bip-beleep.

18 July ~~Ikroavik~~ Barrow, Alaska
A nest was located on the beach ridge near the Old White-rump nest. It contained 4 eggs which were not pipping. Both adults were present. Several days ago, Mabel found a whole egg + one with a large hole in it in one of her pigeon enclosures. Apparently the eggs were brought in to the nest in 1 piece + were fed on there.

21 July Ikroavik, Alaska
The nest on the north part of the North 40 had hatched(?), and there was no sign of the adults or chicks. The nest near 7.2 had 2 eggs, one of which was pipping, and 2 young which were banded. The egg shells were still present. Both

Holmes, R.
1960

Pluvialis dominica

21 July Ikroavik, Alaska
adults were there, + both did destraction displays. The ♀(?) was more aggressive however, and would flap + flutter her wings and then run off in a mouse run where her back feathers were semi-erected, the tail lowered + slightly spread. Occasionally when she would come in very close, she would sprawl out with both wings spread horizontally + flush with the ground. The chicks were fair sized and had specks of greenish yellow color on their backs.
Several large flocks of birds were seen. These consisted of 3-6 birds flying + feeding together. All were molting (or were the parents of the chicks described above).

22 July Barrow, Alaska
The nest on the B. R (near last year's White-rump nest) was hatched when checked this afternoon. There were 2 Ads on the flat north of the ridge, but young were not seen with them.

Holmes, R.
1960

Pluvialis dominica

25 July Barrow, Alaska
A pair with at least 2 young seen just south of Voth's Area. One chick was banded; one collected

26 July Barrow-Ikroavik, Alaska
Several individuals + small groups of 2+3 seen between Barrow + Ikroavik + Loon Lakes. No young were noted. All individuals were in molt.

28 July Barrow, Alaska
Several small groups of 3+4 seen near Voth's Area. The majority of birds were in the lower-marshy areas, but a few were on the ridge. One juvenile (still downy) was also seen.

29 July - 1 seen along fresh lagoon and occasional others in central marsh + along the B. Ridge

2 August Barrow, Alaska
Several groups of 2+3 seen near Voth's Area + in the area No. 1 Footprint Lake. These appeared to be wandering birds which did not have chicks with them. All were molting (body)

Holmes, R.
1960

Pluvialis dominica

3 August Barrow: So. Barrow 3, Alaska
Only a few individuals seen today during the entire trip. No chicks or juveniles were noted.

6 August Barrow = Ikroavik, Alaska
Very few were seen today. One excited ♀ was present on the plot, but her chicks could not be found. An occasional group of 2 or 3 was noted.

9 August Barrow, Alaska
None have been seen during the past two days between the base & gas line ridge

15 August - One completely molted individual seen just north of Footprint Lake. This was the only one seen today.

21 August - Several seen between the base and Ikroavik. All were in complete fall plumage & were feeding in relatively high places. (ridgetops)

25 Aug Many juvenils in fall plumage are now to be seen along the beach ridge. These have been noted during the last several days.

28 Aug 3 or 4 seen along the beach ridge.

Holmes, R.
1960

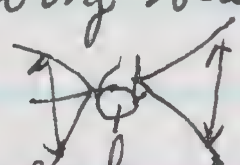
Pluvialis dominica

29 Aug Barrow, Alaska
None seen today
31 Aug 2 seen on the beach ridge this
morning.

Holmes, R.
1961

Pluvialis dominica

3 June Barrow, Alaska
A pair noted on the Beach Ridge. One was collected; the other flew off & did not return.

4 June - A pair seen near Voth's area. In the evening a pair was seen just so. of Britton's area. 1 bird (the ♂ probably) was seen flying high over the tundra in at least 3 instances. The bird flew with deep wing beats going from ~80° to 100°  . These were deep sweeping beats, given rather slowly & reminded one of a Sh-eared owl in flight. In all cases, the displayer landed near its mate but no ground ceremony took place.

5 June Several birds seen flying as described above. All birds seen to be paired.

7 June Pairs are seen here & there, but they are not generally common.

9 June One bird seen flying high (60'+), using the floppy flight (like a tern - with deep sweeping wing beats) and giving the belup call continuously. Suddenly he landed near a pair of plovers & raised both wings to the vertical position & gave the de-de-delay call 3-4 times. The pr. then took flight & the displaying bird followed behind in a mild chase. The displ. landed about 200 yds away & kept both wings up while the pair flew on. - see Ikroavik census sheets.

Holmes, R.
1961

Pluvialis dominica

13 June Barrow, Alaska - Ikroavik
A three-some was observed on the census plot at Ikroavik. When first seen, it was thought that two ♂♂ were having a boundary dispute, with much chasing going on. Then when 1 ♂ settled the other flew over to a third bird, the ♀ presumably & began to give her the wing flash & then I thought an attempt at copulation. The other ♂ interrupted, however, & flew in & chased the ♂ out - the chase lasted for a minute - two & finally the pursued flew off to the E. - The pursuer came back & settled near the ♀. - Possibly ♀♀ are in short supply?

24 June Numerous pair seen along the west slope of the BR & South of Wohlschlag Slough. 1 Nest was located 100 yds south of the ... on the trail to Schultz's plot - 4 eggs were present, & the ♀ went into a very good distraction display with tail lowered & widely fanned, hunched back, with occasional flutter & spreading both wings horizontally & then fluttering over the ground. This was the ... violent display that I have seen from a plover this year

Holmes, R.
1961

Pluvialis dominica

26 June Barrow, Alaska
At the curve of the B.R. - in the marsh - 7 adult plover were seen feeding together. A few hundred yds south, another group of 6 were together. - No aggression was noted. Presumably all of these birds have nests nearby - but use this area as common feeding grounds.

4 July - Two new nests were found along the census plot (see census sheets) - both with 4 eggs & ♀♀ gave strong distraction displays (tails fanned, wings spread & curved down at tips & then fluttered and the bird staggers or weaves from side to side as she runs away from the nest, while all the while looking over her shoulder to see if you are following).

7 July None seen on the plot at Ikroavik. A flock of 16 birds seen feeding together, 50 yds east of the insect plot - No. 1 Voth's Area. This group showed no sign of pairing - all were feeding on the ridge slope randomly & all flew off together when flushed - ~~[illegible]~~ landed in the marsh - 50? yds away & resumed feeding. Are all these nest failures? -

Holmes, R.
1961

Pluvialis dominica

9 July **Barrow, Alaska**
None seen on the beach ridge - incl. the census plot. Both nests on the plot were empty - with no signs of adults or chicks present. None seen in a trip over to Elson Lagoon & back along Wolfe Hog slough. The 1 bird was on her nest, just So. of the slough - the 4 eggs were not hatching yet. This was the only bird seen all day - none were in central marsh.

10 July Flock of 6 seen No. of Wolf's Area - feeding in the low polygon troughs.

13 July Flock of 10 at So. side of Wolf - where it meets Elson. Some were molting and flew off in 1 flock. Another 6 were seen near orbit pit. The nest just So. of the slough was gone - probably hatched. An ♀ was seen nearby (200 yds.) who showed signs of having young - but I saw none. This is the 1st bird to show this behavior - the remainder this year have shown no concern. Another group of 6 was seen West of Wolf's Slough.

15 July Flock of 15 So. of the insect plots. Feeding in the wet marshy areas among the lowland ponds. Several were starting to show the molt - externally.

Holmes, R. 1961

Pluvialis dominica

16 July Barrow, Alaska
Flock of 25 flew past the insect plots, heading in a westerly direction.
19 July - Flock of 6 near the insect plots - all feeding in the low-center polygon troughs. Molt is starting.
21 July Flock of 10 in area No. 1 VOR - Flock of 8 No. 1 Footprint Lake - feeding with a group of 12-15 Red-backs - on the low polygon areas. Again, these birds were showing molt.

In processing the Walker birds, the 1 plover collected seemed to be a 1st yr bird since the wing coverts were mostly brown - not golden - as in breeding Ad - this was true of feathers on the rump + perhaps some of the tail feathers. This bird had an active brood patch - indicating breeding in their 1st year.
23 July - Barrow, Alaska
1 seen near VOR, area, 1 seen near Wohlschlag - Elson Sa.
26 July - Flock of 3 seen near the Wamigair inlet, Ikroavik. One single bird seen no. of there - ½ was between Ikroavik + Footprint. All were feeding in marsh areas.

Holmes, R.
1961

Pluvialis dominica

30 July Barrow, Alaska
None seen today.

31 July - 2 ads + 3 large (almost flying) chicks seen with a flock of 18 RB near the west end of T III A-B.

2 Aug 1 molt. adult seen just No. of Footprint Lake.

4 Aug 2 seen near Voth's area - one showed body molt.

7 Aug 1 flying juv seen + coll. so. of Ookpik. One flock of molting adults (6+) seen in Central marsh

8 Aug A group of 4 young of the year (with down on head) - but flying - were seen No. of Voth's Area - all 1 brood? Another flying juv seen close to Voth's area.

11 Aug 1 seen in central marsh - with 3 Bl-b. Plovers.

17 Aug Several juveniles seen during the past few days - near Voth's area, Footprint, + central marsh - 4 seen tonight near the fertilizer plots.

23 Aug 5-6 seen near the gasoline ridge + 2 near the winding inlet to Ikroavik.

Holmes, R.
1962

Pluvialis dominica

26 May Barrow, Alaska
"Cade observed" 2 birds near Footprint lake.

29 May 1 pair seen No. of Wohlschlag Slough on the shore of Elson Lagoon (bluffs) & 1 pr. So. of Wohlschlag - ½ way to Ookpuk. All birds were feeding

30 May 2-3 pair seen along Elson Lagoon. One pair was watched & as a 3rd bird flew in - both members of the pair took flight in dispute, the ♀ staying behind the ♂? As they flew - the whit - tewit tewit - call was given. - Apparently this pair is already settled & starting to defend territory -- (corner of Elson & Ookpuk.).

1 June 1 pair & 3 seen along the shore of Elson Lagoon. 1 was seen No. of Voth's area

2 June 1 near Voth Area

4 June 2 (pr) along Elson Bluffs

5 June 1 near Britton's Area.

6 June 1 pr + 1 indiv. along Elson Bluffs - none near Voth - So. of the Village or at Ikroavik. ♂♂ will hold their wings vertically when landing - for a second or two.

7 June 1 individual seen in Britton's Area.

8 June One seen on Elson Bluffs.

9 June None seen - Britton - Voth - Village Slough - Ikroavik - Footprint.

Holmes, R, 1962

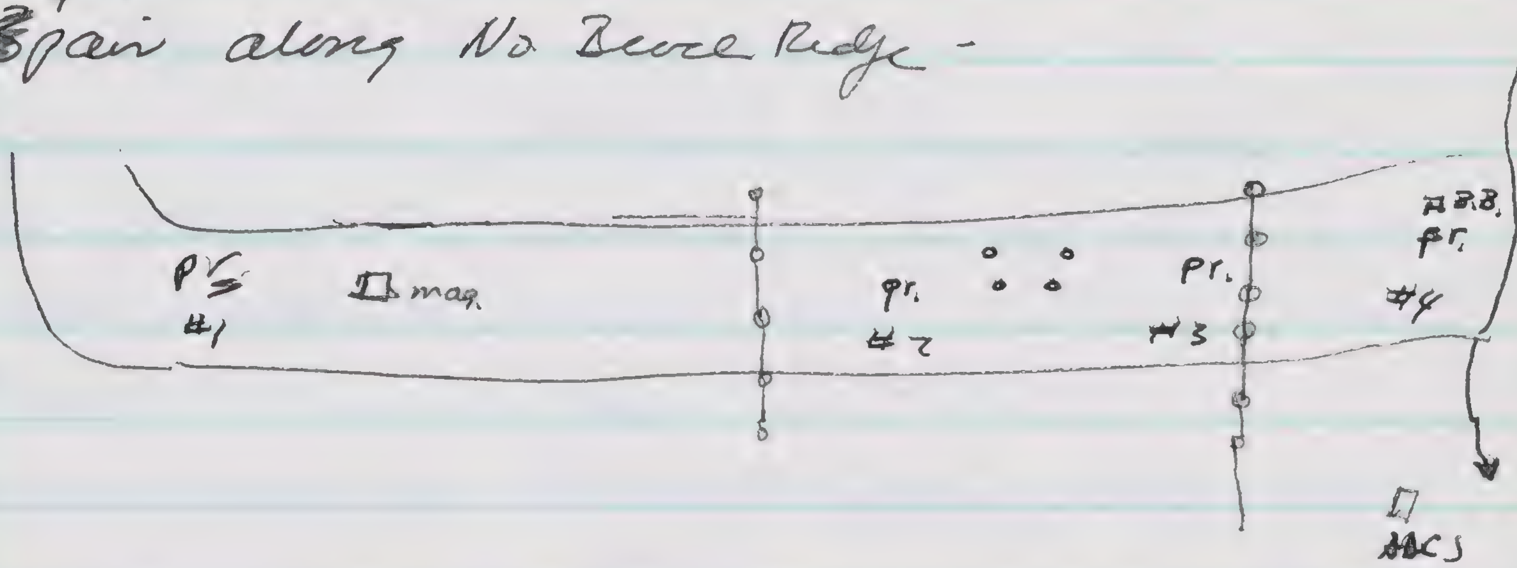
Pluvialis dominica

10 June Barrow, Alaska
Several birds seen + heard along Elson lagoon + between Britton's + VOR's Areas.

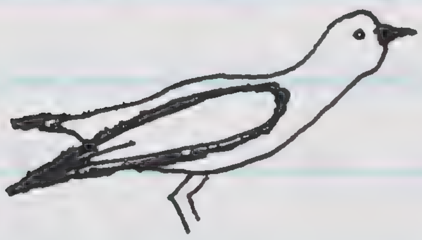
11 June Several seen along Beach Ridge + Elson lagoon

14 June Three pair noted between gasline ridge + Ookpok slough. Several pair on Ikroavik. The nuptial flight is still conspicuous.

15 June ~~3~~ 4 pair along No. Beach Ridge -



Pr. #3 watched - ♂ - ♀ - 10' apart - ♂ drooped wings - partly lowered head - put forward - looked at 1st like aggression - then he ran - straighten up - jumped onto the back of the ♀ - copulated - ♂ went



gently - flapping raised wings - jumped off - she ran - cautiously about 30' + settled into a cup - whereupon she proceeded to sit - in full incubation posture for about 15 sec - in 4 different directions - standing up in between + turning - settling again. The cup could not be found later.

Holmes, R.
1962

Pluvialis dominica

17 June Barrow, Alaska

The same pair - as described above - was watched. Both birds standing on the tundra - ♂ alert - ♀ standing off to the side. Finally - both ran - ♂ 10' or so behind the ♀ - the ♀ who was running with head down - as if heading for a nest. Finally she stopped - apparently in a cup -

18 June - 1 egg in the above nest (at 1500) - pair nearby.

21 June Several pair on Ikroavik census plots - one pair still copulating. Birds were not very broody + would not return to nests.

25 June Nest on B.R - with 4 eggs

27 June 3 Nests found on Ikroavik Census plots - all with 4 eggs - ♂♂ were incubating in all cases.

29 June Two nest located - 1 at the south end of the BR with 4 eggs (staked); one so. of [illegible] (on the south shore) with 4 eggs (staked)

2 July Two out of three nests on the plot (Ikroavik) were still present + were being incubating. The 3rd (near 15.4) was gone; there was no sign of the adults.

3 July Flock of 13 ~~[illegible]~~ No. of Meadow Lake - all feeding together - several showing signs of molt. Nest near Block bar still ~~[illegible]~~ with both birds - [illegible]; ♂ was incubating.

Holmes, R.
1962

Pluvialis dominica

11 July Barrow, Alaska
Flock of 20 on south side of Beach Ridge - near N. Meadowlake
5 July Flock of 6 on Ikroavik Plot. Pairs that have remained were still on eggs - no sign of piping
8 July Three nests along B.R. - GP1, 7, & 8 - were all being incubated by the ♂ birds - all are still eggs. [#7 & 8 are on the white sup. side of the beach ridge - between the Blood Box & the 1st row of antenna poles. Flock of 6 in Central marsh.
9 July Ikroavik: New nest located S.E. of wannigan - 40' E. of wannigan pond - with 4 eggs - ♂ gave a strong distraction display - coming back towards the nest several times.
The nest near 7.2 - gone - no sign of adults. Two Adults were seen near 10.3 - but no chicks were noted - may have hatched or been predated ??
Nest near 12.0 - still active - no others noted on plot today.
10 July Two molting birds (Body molt) + 1 3-4 day old chick found No. 1 B.R. - New magnetic station (i.e. So. of Fresh Lake). Young was banded. Parent - particularly one - probably the ♂ - gave a strong fluttering distraction display; the other + [illegible] by & gave the alarm call

Holmes, R.
1962

Pluvialis dominica

10 July Barrow, Alaska
One flock of 13 birds N. of insect plots & 1 of 8 birds - NE of magnetic station.

11 July 3 Nest on N.D.R. - still intact.

12 July nest near 11.0 - still intact - 1 bird present, no other seen on entire plot.

14 July Flock of 18 NE of magnetic station & flock of 9 near insect area.

16 July Flock of 25 near wanniga outlet to Ikroavik. Group of 6 near Voth Area. 1 pr. & nest left on Ikroavik Plot - eggs still present - no pipping.

18 July Nest at So. end of B.R. - gone. no sign of Ads or chicks

19 July Flock of 16 near Insect Ridge area. All were showing signs of body molt.

21 July Flock of 18 near Insect Ridge, 22 on Central Marsh, & a group of 8 near Wobblecolor on the south end of the Beach Ridge.

Nest #1 - with 2 eggs - other 2 & adult gone. When these were broken - found to be infertile - no development having taken place.

Nest #7 - see Hervis' notes - for laying dates - but 1 young & 1 egg was left in nest this afternoon. Both adults present

22 July Flock of 30 N. of Ikroavik wanniga. All showing sign of molt.

24 July Group of 8 - N. of insect plots & several small flocks of 2-4 on the No. Voth lowlands. These

Holmes, R.
1962

Pluvialis dominica

24 July Barrow, Alaska
Flocking individuals seem to prefer the lower slopes of ridges & occasionally the low-c polygon edges in the lowlands. Body molt is proceeding rapidly - all the birds are very mottled.

25 July Barrow, Alaska
2 flocks - one of 18 - one of 7 - east of B.A. near Elson Lagoon - feeding on flat - relatively well drained areas?

26 July Scattered individuals north of VHP Area -

27 July Flock of 8-10 near Insect Plots.

30 July 1 Ad. - near ? with body molt + 2 - 1½-2 week young - both banded.

3 Aug Several individuals seen between Wobbly + Fertilizer Plots.

6 Aug Only 2 seen today - there were with 3 2-3 week-old young - 2 of which were banded. The adult were nearing completion of their body molt.

12 Aug 1 flying immature seen No. 1 Lab's marsh - no others.

14 Aug 3 Juv. near insect plots

16 Aug 6 Juv. (imm. actually) 200 yds NE of magnetic station - feeding - wet marshy areas.

20 Aug 2 immature seen so. of VHP Area.

21 Aug Flocks of 2, 4, 15, 8, 22 - immatures seen between Bend Ridge + Footprint Slough.

Holmes, R.
1962

Pluvialis dominica

23 ~~June~~ Aug Barrow, Alaska

Three SO. of Brittons Bar - flock of 8 - just north of Footprint + 3 just north of Ikroavik - all immatures.

24 Aug - None seen toward The Point

25 Aug Small bands of 3-5 seen near the beach ridge + central marsh - feeding mostly in the weasel tracks. All were immatures.

27 Aug Several immatures seen on the N. slope of Gasline Ridge.

Holmes, R.
1963

Pluvialis dominica

2 June Barrow, Alaska
A pair (or at least 2 seen together) on exposed tundra at Ookpik Census plot.
3 June One bird on Elson bluff - at Curlew Sag display area.
6 June A pair on Village Slough bluff.
8 June 2 chasing on beach ridge, w. of mag. Stat.
11 June 1 seen between gasline + beach ridges
3 flying east over VOR area.
15 June One pair on census plot - 3 flying over.
18 June Two pair " " "
21 June No birds seen to be settled on the Ikroavik Census plot - although several individuals were seen. No displays noted.
25 June - 1 bird on north plot (in distr display) + a pair in south plot. No display activity.
29 June - 1 nest with 3 eggs - 50 yds west / gasline - NW / gasline ridge. (GP·2). GP·1 - with 4 eggs found on Ikroavik census plot - blood moss - lichen. Cup was lined with the white "cord" lichen. The incubating bird gave a strong distraction display (head down horizontal with ground + forward - back feathers ruffled - wings extended fully to the side + flapping, tail depressed + widely fanned. + the bird shuffled off through the trough - as I approached the nest - it turned + looked at me - wings still spread horizontal - the tips touching

Holmes, R.
1963

Pluvialis dominica

29 June Barrow, Alaska
On ground - during the run, a series of high pitched squeals were given - when the bird turned & faced me. - it gave a high pitched & almost shrill whistle - whit-wheee, repeated many times.

1 July Flock of 8 on north side of beach ridge - south of ARL. The one collected was starting to molt

3 July Nest with 4 eggs on plot near 16-3. Broken-wing distraction display - as has been described before - but it was noticed that when the bird turned from the intruder & put his wings out to the side with their tips touching the ground - the tail is elevated - is cocked & fanned - not depressed - as when he is leading you away - i.e. the fanning seems to be [illegible] - & when the bird [illegible] from you - a depressed tail could not be seen - but a cocked one [illegible] visible over the bird's head.

5 July Nest with 4 eggs - [illegible] - North of JAP's census plot. - surrounded by snow today.

6 July Group of three on gravel ridge, 1 shot was in heavy molt (see catalog).

7 July Nests still attended on plot

8 July Two nests active (& possible a 3rd) on beach ridge plot. 1 flock of 6 on plot.

Holmes, R.
1963

Pluvialis dominica

8 July Barrow, Alaska
Flock/6 near AACS in evening - feeding in old weasel tracks.

9 July The 2 nests on Sk. census plot still intact & being incubated.

11 July New nest with 4 eggs on Beach Ridge census - near trapline 5. The other two nests were being incubated - no hatching yet.

13 July 2 Nests - plot intact - another nest located 100 yds north of Footprint - with 4 eggs.

14 July No hatch yet - on any located nests

16 July Flock / 4 along south side of north beach ridge

17 July One nest on census plot (#1) - had hatched & the adults (& presumably the chicks) were about 20 yds to the south / the nest site. At nest #11 - (near 16.3) - there were 3 young - 1 pipping egg. The nest north / Footprint lake had 1 young & 3 pipping eggs. The nest near Childs' line plots - hatched today.

18 July Beach Ridge census plot - nest near 7-W - still intact. - at 15-E - 3y + 1 egg & at 18-C - 4y, one / which was pipping.
A flock of 3 along with flocks - afternoon.
- Quite a synchronous hatch this year - with the last 3 days nearly all located nests have hatched.

Holmes
1963

P. dominica

19 July Barrow, Alaska
Flock 13 near gasline ridge - all were molting - 1 collected. In afternoon - flock 16 - west of Wahl slough. again all were in body molt - 3 were collected.
20 July The adults + their broods from the Ikroavik census plot had apparently moved off the plot - none seen there today. Several small bands of adults were seen in the marshy areas along the N & NW sides of Ikroavik Lake, however.
22 July Several pairs along south shore of Wahlschlag slough - showing signs of the presence of chicks - but none were seen.
24 July Several groups of 2-6 feeding in upland habitat, south of Wahlschlag slough. One brood of 4 - accompanied by 2 adults was encountered in the same area.
25 July Flock of 4 on Ikroavik census plot - several scattered groups north of Footprint lake + along beach ridge.
26 July Flock of 6 south of south salt lagoon.
29 July See journal for account of weak chick -
5 Aug Several molting adults near the Fertilizer Plots.
6 Aug None seen on trip to Ikroavik
12 Aug Several flying immatures seen near Fert. plots + also several molting adults.

Holmes
1963

P. dominica

13 Aug Barrow, Alaska
Camp - to gasline ridge to Voth Area & insect plots to camp - 8 dom's - all single, 1 molt adult.

15 Aug 2 Non-flying chick banded - in area South of Wohlschlag - (one was by itself - no other chicks or adults) (On other hand 1 ad. which did a distraction display) One brood of 4 flying chicks & 1 Ad - near Wohlschlag slough crossing. - Several lone flying chicks were noted. And a few (6±) adults were seen.

16 Aug 1 flock / 8 dom south of [illegible] — 1 [illegible], + [illegible] near Meadow Lakes.

23 Aug. Individual Immatures encountered here & there in north central marsh -- probably 10-12 seen. No Adults

25 Aug 6-8 dom - near AAES

Holmes, R. T.
1964

Pluvialis dominica

4 June — __Barrow, Alaska__
2 near AAL, 2 on Pitelka's Plot - 1 aerial butterfly flight display seen.

5 June — 2 so. / Britton's area - 1 aerial displ. flight noted.

7 June — None on No. BR. !

8 June — 1 in displ. flight on Pitelka's Plot

9 June — 1 No. 1 BR, along old weasel trail, - gave mild distraction display. (tail depressed - otherwise upright posture) - no nest found.

10 June — 1 in display flight over gravel ridge - None on No. B.R.

11 June — 1 " " " beach ridge - near 1.0 - 2.0 on Pitelka's plot - in flight gives pe-leep, pe-leep, ...

15 June — Pair in central marsh - near ridge - on one of the benches. ♂ was giving what apparently was an exciting display to ♀ - which his tail + wing tips was tilted vertically (to about 60°) - + head + neck toward ground - but in straight line with tail - bill - almost or perhaps touching the ground - the tail slightly spread so with the folded wing tips lying along side, they formed a square - shaped combination. - ♀ was always behind ♂ - ie looking at his underparts - sharp - white and notes in anal region - ? - check specimen. ♂ very stiff + would hold posture for 10-20 seconds

RTH
1964

Pluvialis dominica

15 June Barrow, Alaska
least. Then resume feeding or at least appeared to do so. Later - he ran in a crouched posture "knees" bent - body feathers ruffled & then tilted forward & raised tail - this posture appeared to be very stiff & the bird hardly moved once in it. While giving this display - a sound was given which I have not heard before - this was an oft-repeated metallic whistle chip-chip-chip at a frequency 2-3/sec - for the length of the display. The note was relatively loud & could be heard at 150 yds distance.

25 June 2-3 pairs on Ikroavik census plot - scattered birds seen to the south around the lake.

Holmes, R.
1959

Charadrius vociferus

24 June Barrow, Alaska.
One seen flying easterly along the so. shore of freshwater lagoon. As it passed over a Semi-palmated Sandpiper territory it was chased by this bird for about 30 yards. The Killdeer continued going while the sandpiper returned.

27 June Barrow, Alaska
One seen and collected just east of the AACS behind A.R.L. It was a female with extremely small ova (up to 1mm) and a minute oviduct. Evidently it was a young bird.

6 July Barrow, Alaska
Two birds seen at the SE corner of the drum area just SW of freshwater lagoon. They were feeding actively. One bird was molting, as several feathers were missing from the wings.

10 July Barrow, Alaska
One heard near AACS during the afternoon.

5 August Barrow, Alaska
Two seen just so. of freshwater lagoon.

Holmes, R.
1960

Charadrius vociferus

18 June Barrow, Alaska
1 seen near ARCS in the morning. When 1st seen by Pitelka, it walked rather strangely as if it had a nest! Nothing was found at the time.

22 July Barrow, Alaska
One ♂ was collected in Central Marsh. It was a heavily molting bird (especially in the wings + tail).

Actitis macularia

18 Aug Barrow, Alaska
One immature believed to belong to this species was observed along Fresh Lake - but unfortunately the shot fired at it missed!
The teetering behavior was evident - as was the jerky - wing beats & short glides in flight. There was a strong wing stripe visible when the bird was in flight. The back was grayish & this extended in a shoulder stripe coming part way across the breast but not meeting. The legs were pale in color. - The underparts were white.

Holmes, R.
1959

Limosa haemastica

19 August Barrow, Alaska

One bird was noted and collected on Footprint Lake. It was a female with moderate fat (RTH 239).

Holmes, R.
1959

Arenaria interpres

5 June Barrd Area, A.RL. Barrow, Alaska. Weather overcast, light snow + SE wind. Several seen during the day in this location. - mostly in groups of 2 or 3. Occasionally some aggressiveness was noted as 1 indiv. would chase another

6 June Barrow, Alaska.
These birds are present in small numbers and can be seen on the exposed tundra in groups of 2 or 3.

9 June Barrow, Alaska
One individual seen feeding in the drum area.

10 June Barrow, Alaska
A pair (?) seen near the gas well road feeding. No aggressive or display behavior was noted.

12 June Barrow, Alaska
One pair ___ near the drum area. They were sitting on a patch of exposed gravel and allowed me to approach within ~10 feet before they flew. After circling for several times, they settled about 15 feet away from the original place.

Holmes, R.
1959

Arenaria interpres

13 June Barrow, Alaska

2 pair seen along the gravel area near the dump (behind the base). One pair flew off to another gravel area about 50 yards away, but the other pair seemed reluctant to move and when they finally flushed, they returned to the same area. A few minutes later a lone individual tried to join these 2 and was driven out by apparently the male of the pair. This was accomplished by a chase for about 30 yards. The male then returned to the female.

15 June Barrow, Alaska

Above two pair were still in the same location. No intra-specific strife was observed today. Both pair seemed to become very excited when the observer approached the area.

18 June Barrow, Alaska.

Several pairs seem to be stationed around the drum area and also near the dump. Several chases were noted among members of a pair and among one member and an outsider. The territorial boundaries could not be established (over)

25 June, Barrow, Alaska
A nest was discovered at 0930 with three green eggs blotched with brown. It was located in the middle of some weasel tracks. At 1615 the nest contained four eggs. It is located about 150 yards east of the AACS. There was no wing display given when the nest was found or when it was revisited.

5 July, Barrow, Alaska.
The above nest was checked today, and the bird was still incubating despite the disturbance she has had with all the traffic. When flushed, she did a type of mouse run which differs from that of some of the sandpipers. She crouched, but held wings in position and just barely ruffled her back feathers. This posture was only used for a short distance (6 or 8 feet) from the nest, at which time she assumed her normal position.

Holmes, R.
1959

Arenaria interpres

6 July Barrow, Alaska
Three seen on the gravel banks on the SW corner of freshwater lagoon. Pitelka reported that at 2200 on 5 July, the eggs were missing from the previously described nests, but the female was still present in the area. At 0800 this morning, the adult birds were not seen in the area.

19 July Barrow, Alaska
One seen flying west along the ocean front in front of the base.

31 July Barrow, Alaska
About 30 were present in one flock on the shore of Freshwater Lagoon. They were in company of Black-bellied + Golden Plovers.

5 August Barrow, Alaska
A flock of 20 were present along the sandspit towards Nuwuk.

18 August Barrow, Alaska
One seen on the shore of Freshwater Lagoon, and another was noted along the ocean beach in front of the base.

23 August Barrow, Alaska
Several noted along the beach between ARL and the village by M. Daniels.

Holmes, R.
1960

Arenaria interpres

31 May Barrow, Alaska

A pair was seen during the morning and evening near the shore of Elson Lagoon, South of Wohl slough.

1 June Barrow, Alaska

Two seen just south of Wohl slough along Elson lagoon. Their primary activity seemed to be feeding.

2 June Barrow, Alaska

Two were seen near VOR'S Area. They would feed for awhile, then one would chase the other for several seconds, after which both would resume feeding. During the chase a gurgling rattle-type note was given by both birds. Once another individual was heard about 100 yards away, but the first two paid him no attention. The two did not seem to be settled, for they flew off south easterly after a few minutes. While they were feeding, it was noted that they feed in the typical Turnstone manner; that is they would work around flipping over bunches of dead grass, small twigs, etc. & looking for food particles. Occasionally, they would pick up something, but

Holmes, R.
1960

Arenaria interpres

2 June Barrow, Alaska

they were never noted to probe as the sandpipers do.

3 June - A pair seen again near Elson Lagoon.

6 June - A pair seen near Britton's Area, bathing in a small pond.

9 June - A pair seen along Elson Lagoon south of wolf slough. Both indiv. chased a pomarine jaeger for about 100 yds before the jaeger increased speed & flew off. A few seconds later, 1 of the birds chased another jaeger. During both actions, a guttural rattle was given rapidly.

10 June - A pair seen chasing jaegers again in the Elson Lagoon area, & 1 bird seen feeding near Britton's Area.

12 June - A pair seen near Voth's Area.

13 June - The pr. near Voth's area was acting like there was a nest nearby. Both birds were chasing the jaegers, but one acted like it was concerned about a nest.

26 June: A nest was found near the buildings at A.A.C.S. It contained 4 eggs & was located on an area of dark black soil, which had been turned up by a vehicle.

Holmes, R.
1960

Arenaria interpres

26 June Barrow, Alaska
Other individuals + pairs were seen between AAES + the magnetic station. Also 2 pr were seen along Elson lagoon + on the west shore of salt lagoon.

5 July Barrow, Alaska
A group of 4 young seen half way between AAES + the magnetic station. Both adults were in attendance (+ 1 or 2 others that came in at the excitement of the others). The nest by AAES remained unhatched.

11 July - The nest is still intact; both birds are present.

18 July - 3 seen feeding south of Wiley Slough. The nest by the AAES hatched last evening or this morning as the nest was empty at 1130. The birds were still present + excited and I am sure the young were nearby somewhere.

23 July Five adults + 2 chicks were seen at the curve of the B.R. near the magnetic station. The 2 young were banded. The adults were very excited, + the ♀? gave a typical plover distraction display (hunched over, wings drooped, tail lowered).

Holmes, R.
1960

Arenaria interpres

29 July Barrow, Alaska
A flock of 5-8 birds have been present along fresh lagoon for 3-4 days. All birds are molting. This group includes 2 or 3 immatures.

2 August - One adult & one ½ grown chick were found on the floor of Footprint Lake. The juvenile was collected.

9 August A group of 4 Adults seen along Freshwater Lake.

14 Aug. - Two adults along Freshwater lake.

29 Aug - One seen flying over fresh lagoon.

Holmes, R.
1961

Arenaria interpres

3 June Barrow, Alaska
2 (a pair probably) seen feeding near Elson Lagoon.
4 June - Several (1 pr + 1 or 2 indiv) seen near Britton's area. All were feeding. No chasing, or courtship were noted.
5 June A pair seen attempting copulation - near the edge of Elson Lagoon. The ♂ treaded the ♀ for nearly a minute, but contact was not made. The ♀ seemed to shuffle her feet while the ♂ stood on her back, but he was able to keep his balance. After break off, both birds resumed feeding.
7 June Two pair seen near Britton's area.
8 June - Pair seen attempting copulation east of Britton's area. The ♀ was feeding. The ♂ flew up & landed next to her. She turned, he jumped in the air, landed on her back & stood there, balancing himself with outstretched wings. It could not be determined if the attempt was successful.
17 June · An excited pair seen in the boundary - on Pitelka's Plot - apparently nest was near.
24 June 1 seen south of [illegible] slough. - feeding in mossy sedge habitat by pecking at the surface.
? July The pair still seen near the trapline on FAP's plot - These become very excited + start calling like
ah, whit da, whit da, chee, chee. cha.
The [illegible] over & [illegible] parts

Holmes, R.
1961

Arenaria interpres

4 July Barrow, Alaska
are given seperately
9 July 1 seen near the traplines on the beach ridge.
13 July 2 seen flying w— high above the ground — over Britton's Area.
16 July Flock / 10 flew west over the insect plot.
30 July 2 flying juv. & about 8 adults seen on the ponds & gravel beaches north of Birnich.
2 Aug 6 Ads + 8-10 flying juv. seen along the gravel area, No. of Britton's Area. All were feeding. 1 juv. - almost flying - was banded. 1 Ad. was in attendance.
4 Aug 10-15 seen between Birnich & Monuments — most were adults.

Holmes, R.
1962

Arenaria interpres

29 May BARROW, ALASKA
15-20 seen along the bluffs bordering Elson Lagoon - where small patches of sedge & grass covered areas are exposed. These were in groups of 2, 3, & 4. 2's were most common - & may have been paired birds. The rattling gurgle of call note was heard from 1 bird on the ground & one flying off after being disturbed.

30 May Several seen along the bluffs west of Elson Lagoon - There was a considerable amount of chasing - apparently between ♂♂. In one case - an aggressive act was seen when 1 ♂ assumed a hunched over posture - with head forward & tail depressed & slightly spread - the bird also crouched & then

ran quickly toward the bird which had just landed nearby. The two birds then flew off in an erratic chase.

1 June Group of 3 & then 4 in a flock of dunlin seen near Elson Lagoon. No interaction was seen today. A flock of 9 with sev. RB & 1 golden Plover seen N. of Voth's area.

Holmes, R.
1962

Arenaria interpres

2 June Barrow, Alaska
Several seen on the Elson Bluffs - individually - no interaction noted.
3 June 3 seen (+1 call) near Elson Bluffs
4 June 2 pair near Britton's Area. The ♂ will often hold both wings aloft after he lands - as is seen in many calidrine species.
5 June 2 pair noted; 1 in Britton's area - 1 halfway to Joh's area.
6 June Sev. in Voth - Area & vicinity.
2 pairs along the exposed areas - North of Wolk - along Elson Lagoon. 2 pair between Wolk & Ookpik Sloughs.
One aggressive action noted - 3 birds were present - one ♂ lowered head - hunched shoulders - wings in normal position, lowered & spread tail - chased other ♂ on ground for 6-10' - then flew off calling loudly.
7 June Several near Voth - Britton Area & along Elson Bluffs.
10 June 2-3 pairs in Britton's Area & at least one along barrel ridge. 4-5 pair along Elson Lagoon - Nr. 1 Wobbleblog.
1 chase seen today.
13 June Nest with 4 eggs & incubating ♂ found near the edge of Elson lagoon - in moderate polygon area. The nest was on the south

Holmes, R.
1962

Arenaria interpres

13 June Barrow, Alaska
side of a grass-sedge-covered polygon - in a cup with a grass & sedge lining (cut pieces).
Another nest with 4 eggs located in Britton's Area - near the row of antenna poles - west of VOR'S Room located on edge of a low center (dry) polygon - among mosses & scattered sedge. Again eggs were lined with cut vegetation
2? June 1 pair seen flying North on Ikroavik Census plot - 1st seen in this area.
24 June Nest with 4 eggs found on W slope of rounded polygon - Barrel Row - Eggs were placed on a mat of grass - in a very shallow depression - with no surrounding vegetation to hide the eggs.
28 June Nest in Voth Area (Barrel Row) - still active - 4 eggs. -
1 July " " " " . . . . . . ♀ incubating
4 July Nest in Britton's Area - gone - no sign of Ads or young.
Nest in Barrel Row - gone - No sign " " " .
- these probably hatched - but Parasitic Jaeger has been cruising the area.
10 July Two Ads + 4 day-old young found NE of Magnetic Station - 2 young collected - 2 banded.
The ♂ seemed more concerned about the young & stood nearby giving the alarm call.
12 June Both parents were present with 3 young - N. Voth Area.
2 young banded; 1 collected. ♂ bird seemed more aggressive.

Holmes, R.
1967

Arenaria interpres

17 July Barrow, Alaska
♂ and 4 young seen in *Carex* marsh so. of B. R. + east of No. Meadow lake. 2 yg collected.

26 July - 2 adults + three - 1 week old young found in gravel area - near Britton's Area. - Two the young were banded.

1 Aug 4 adults + 1 non-flying juvenile seen on the gravel ponds near Britton's Area. Several adults reported by Hanna at Pt. Barrow -. These birds seem to move to the coastal gravel areas + are not seen on the tundra once the young have hatched.

6 Aug 2 Ad. in gravel ponds near Britton's Area

12 Aug 6-10 on gravel ponds near " "

14 Aug 8 immature on " " " " ". 3 along ~~Footprint~~ to Fresh lake.

18 Aug 1 along Fresh lake (imm.)

24 Aug 2 imm. - on the ponds toward the POINT

Holmes, R.
1963

Arenaria interpres

25 May Barrow, Alaska
One seen by Muller

27 May - 3 seen together on Elson bluff, north of Wohlschlag - no interactions noted.

28 May - 2 feeding together in Britton's area. + 2 no. of Ookpik slough. One excited - giving unease, sharp chattering. The two stood together - one with tail + wing tips raised - giving chatter note - forward then

- individual flew off 30' + both birds began feeding.

29 May One pair no. Ookpik + one in Curlew Sdg. area. north of Wohlschlag along Elson Lagoon.

31 May One pair in black-topped polygons so. of Wohlschlag slough. at least 2 pair in similar habitat south of Ookpik - 1 collected. - which was a ♀ with an egg in the oviduct (+ 1 rupt. follicle + 3 collapsed ova in the ovary). EGG-LAYING already!

1 June Three pairs located between Brant Pt. + Wohlschlag slough - most are in black-top-polygon areas near Curlew Sdg display site. Several chases were seen - where a pair was flushed into another's territory - the owner of the area immediately took chase + forced the pair back to the north. One ground encounter between two birds (sex?) was observed - both stood facing each other with heads bobbing up + down - then they went into a tumbling fight - which was

Holmes, R.
1963

Arenaria interpres

1 June Barrow, Alaska

out of sight (in a trough). The head bobbing was executed by moving the neck & head vertically - from an alert upright position to a position where the head was next to the body

- 2 collected in polygons near Lucie's(?) S of Isatkoak(?) area & 2 from high polygons north of [illegible].

#1921 - ♂ - small testes - mod. fat - probably a new arrival - his mate was not collected

#1918 - was ready to lay her first egg within a day or two

#1919 - 1 egg with shell in oviduct - 3 developing

1920 - 3 EGGS LAID - 1 nearing size - probably would have been laid on 2 June

Pairs remained together - when ♀ was shot, the ♂ stayed close by - (but out of gun range) - giving the alarm call. Males seemed the more aggressive & were alarmed sooner. - The birds were wary & difficult to collect.

Holmes, R.
1962

Arenaria interpres

3 June Barrow, Alaska
One pair in block-top polygons - Curlew Sdp area - E. bluff - + 1 ♂ defend to the south. A pair also noted in high polygons between Wolf & Cookpit slough

4 June One pair in well-dev. polygons north of Cookpit slough on bluffs

5 June 2 between Brant Point & Wolf slough - these were separated by 500 yards & probably belong to separate pairs.

7 June 2 seen, (1 collected) between Wolf & Cookpit Sloughs.

8 June Two pair between Brant Pt & Wolf. slough.

10 June Nest with 3 eggs on small (6' dia) flat topped polygon - near Curlew Sdp nest #2 of last year - in N. slope of Wolf slg. - polygon - was sparsely covered with grass - mostly moss-covered.

12 June Nest with 4 eggs on north end of south beach, in big on 10' dia rounded, grass-covered polygon nest completely exposed: lining - dried grass, moss & scattered grass stalks - provide good match for (greenish) egg color.

Two pair along E. lagoon - on the Removed plot - 1 collected. - 2 were chasing a number of Pom. Jaegers

Holmes, R.
1963

Arenaria interpres

19 June Barrow, Alaska
Nest #1 still intact, bird incubating.
26 June Several individuals (3 pairs) along Elson lagoon, N. of Wobble bay.
28 June Two adults with 4 young - not more than 2 days old - among polygons along the South shore of South salt lagoon. - 2 chicks collected
2 July Nest #2 on No. shore of Wobble bay - with 3 young & 1 egg. The chicks were banded. Only 1 adult was present.
3 July Nest #1 - gone - no sign of bird nearby - undoubtedly hatched.
12 July 2 Ads collected NE of beach ridge (So. of Salt lagoon) - one in heavy molt, 1 not yet started to molt
no chicks seen.
24 July Flock of 14 adults feeding on gravel road & adjacent ponds at south end of Fresh Lake. Several adults in gravel pads - at Britton's area
5 Aug 3 Ads & 4 Im feeding together in loose aggregation on gravel pads near Britton's area.
12 Aug Flock of 6 Immature along Fresh lake
15 Aug 1 along Fresh lake
22 Aug 2 Im " " "

Holmes, R.T.
1964

<u>Arenaria</u> <u>interpres</u>

4 June <u>Barrow</u>, <u>Alaska</u>
2 in drum area - feeding
5 June 1 pr Brw Hosp area. 1 along Elson bluffs - North Wolf.
8 June 2 just No. of Pitelka Plot on BR
11 June 4 chasing along east side of " " " "
14 June Sev. chasing & calling near Pitelka's Plot
18 June 2 flying erratically over low polygon between gardens + beach ridges.

Holmes, R.
1962

Calidris canutus

30 May BARROW, ALASKA
1 bird in full breeding plumage was seen feeding with several turnstones, 2 ♂ pectoral sdps + 1 ♀ golden plover near Elson lagoon (on the exposed grass-sedge-covered bluffs). One time when it flushed - it gave a nasal trill-like note - yāah, yāah, yāah - similar to the Dunlin but not as harsh. During the 1½ hours that it was under observation - this call was only heard once. The bird fed during the entire period.

11 June 1 individual seen feeding in wet areas - near Elson lagoon

27 June Three seen with a flock of 8 Pectoral Sdp. - + 2 Golden Plover - Just central marsh - Two were collected.

Holmes, R.
1963

Calidris canatus

13 June Ogotoruk Creek, Cape Thompson, Alaska

Worked on upper slopes & ridges south & east of Crowbill Mtn (800 feet), 1 mile north of Ogotoruk Creek. The ridges which run inland from the coast and roughly parallel the stream - are composed of small fragments of shale - covered with a low-lying Dryas & Salix. Small swales of taller & thicker-growing grasses are found in the hollows & saddles between hills. These are at an elevation of 400-600 feet.

First bird encountered was feeding in company with a Golden Plover - both birds kept moving up hill & finally disappeared over the crest to the south-west. Feeding was done from the surface by picking. No probes or jabs were made. Area here was the grassy-clumps, interspersed with small patches (1-4') of gravel-moss-lichen.

Upon walking further downhill, we flushed a bird from a nest, containing four fresh (no more than 1-2 day-old) eggs. The eggs had a green-gray background - with brown splotches, which were larger & more irregular in shape at the large end of the egg. The nest cup was lined with white lichen, which had obviously been "arranged" & placed in the small depression. Location of the nest - north facing slope of 30° - mostly small (½-1") rocks or pebbles

Holmes, R.
1963

C. canutus

13 June ~~Barrow~~, Alaska (Ogotoruk Creek, Cape Thompson) with scattered patches of prostrate Dryas.

The incubating bird fluttered off the nest - tail spread & depressed, wings stretched out to the side & fluttering & shuffled off over the ground in the usual shorebird distraction display - it also gave a plaintive wee - similar in quality to the Baird's sp. in a similar distraction situation. Once, 100' or more from nest, it would crouch down in a small depression, flatten itself onto the ground, sit there for sev. secs. - looking back toward me or would put bill under scapulars (displacement?) - & then move a few feet & do it again.

Several distraction displays were seen - all followed this pattern - except at a lower intensity. The bird often ruffled its back & scapular feathers - drooped wings & performed the rodent run - accompanied with high-pitched squeaking sounds. Once when disturbed it gave a whit, whit, whit, whit - which was similar to ferruginea's alarm note - but not quite as sharp or hard.

The bird was collected & the eggs taken. — ♂

Holmes, R.
1963

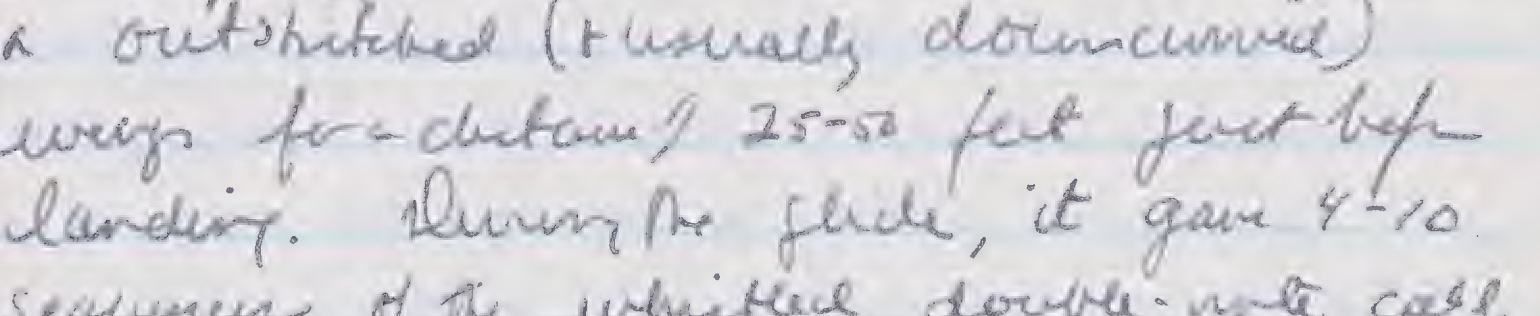
C. canutus

13 June Ogotoruk Creek, Cape Thompson, Alaska

Once the bird from the nest circled around us in a normal flight, glided on outstretched (horizontal or slightly down-curved) wings, gave a sequence of 3-4 double noted "nasal" whistled notes, & then landed.

Found 3 birds further back toward the watershed ie a mile to the south-west along the ridge - in habitat similar to that described above - except the slopes were steep (40-55°).

In flight - no quivering wing display - the bird flew fast on rapidly beating wings (full strokes) & sometimes glided on outstretched (& usually downcurved) wings for a distance of 25-50 feet just before landing. During the glide, it gave 4-10 sequences of the whistled double-note call, & ended with a slower rendition of the same note but the latter phrase was drawn out & ended in a whay-note similar to that of the Curlew Sandpiper. The song can be diagramed as follows (after Pitelka)



Holmes, R.
1963

C. canutus

13 June Ogotoruk Creek, Cape Thompson, Alaska
The introductory notes were not always given & when they were - they were soft & difficult to hear. The fast whistled phrase (twee-twewo) was given 4-10X. This was followed by one - 10 slow-phrases. In one case 2 / the slow phrases were given first then sev (#?) fast phrases followed by 1 slow phrase
The alarm note - as mentioned before - was a fast wak-wak-wak - or more emphatic - whā-ack - whā-ack, whā-ack
The song was given in flight, and usually just prior to landing. In the flight a shallow arc of the wings was noted when the song was given - but there was no hovering or quivering wings.
When landing, the singing bird would glide into the landing spot on outstretched, down-curved wings - alight, & keep both wings at the vertical for ½ second - before lowering them into normal folded position. This was noted twice & as the time indicated shows - the wings were held up very briefly

17 June Birds located again this morning in the 1st canyon north-west / the mouth of Crowbill - where I were seen yesterday. The

Holmes, R
1963

C. canutus

14 June Ogotoruk Creek, Cape Thompson, Alaska
displays were heard from the bird very irregularly, & each time - from a different direction - so that he seemed to be flying long distances (undetected by us for the most part) - at least half to three quarters of a mile. No other birds were seen this morning.

On one flight - when the bird flew down the steep slopes - he was flying rapidly & giving the song at the same time - so that it is not given from a bird circling in the air. Actually most of the songs heard seemed to have come from birds in swift flight - low over the ground. On 2 or 3 occasions the bird flew several hundred feet off the ground, circled on slower beating wings & then flew swiftly off - out of sight. The song was heard from the bird during the high flight. [Summary of flight display - either low over the ground - rapidly beating wings - with song; or high above the ground on slower & shallower wings - but no hovering or quivering wings as in alpina, etc. - song also given.

Holmes, R.
1963

C. canutus

14 June Ogotoruk Creek, Cape Thompson, Alaska
The bird collected from the nest proved to be a ♂ wt 120 g. Thus ♂♂ incubate & participate in nest care, etc. He also gave the wuk, wuk notes & a short portion of the "whimbrel" song - see earlier notes.

23 June One bird flushed from polygon area near Elson Lagoon (Curlew Sdp - display area). It gave several wuk, wuk notes & flew towards the beach ridge. Circled around several times & then glided into a landing perhaps a hundred yards from east of the ridge. This flight was high - at 2-300' & was fast flying - except for brief glides - when the bird banked & changed direction. Later - in the area where the bird landed a song was heard - see descr. in earlier notes.

Holmes, RT
1964

C. *canutus*

22 June Barrow, Alaska
1 displaying on Pitelka's Beach Ridge plot - high flying tu-twit-tuwee, ... -

23 June Group / 3 in bright plumage in North Footprint Lake - Collected - see Maclean's catalog.

Holmes, R.
1959

Crocethia alba

10 June Barrow, Alaska
One bird seen and collected near the gas well road. It was by its-self and apparently was feeding. The bird was a female.

11 June Barrow, Alaska
One seen flying westward through the drum area.

13 June Barrow, Alaska
A pair seen along the beach ridge road.

19 June Barrow, Alaska
One seen performing the mouse run just So. of the drum area. It flushed after 15 feet and flew off in an easterly direction. No nest could be found.

25 June Barrow, Alaska
Three birds were seen in the flat marshy tundra between the beach ridge and Elson Lagoon. Two seemed to be paired, as one was chased off. The paired male was displaying (aerially) from 1400 to 1600 (the time we spent in the area). The display is a typical Erolia-type. The bird flew into the air to a height of 30-40 feet and hovers there an (over)

25 June. Barrow, Alaska
outstretched wings. The note of the sanderling, however, differs decidedly from the other species, in that it is a deeper and hoarser note (crawwaw-crawww....). It is followed by the same type trill as the Red-back has when the display is over, but here again it is on a lower scale. Once the bird was seen to land, walk a few feet and then fly off again and this time he uttered a nasal quaw some times and this speed ups as it was given and finally was turned into the hoarse crawwaw.... described above. This low rolling accelerating nasal note was also given during the chase when the third bird was forced to leave the area.

28 August, Barrow, Alaska.
Two immature were seen feeding along freshwater lagoon, and one was collected.

31 August, Barrow, Alaska
Two immature seen along the shore of middle saltwater lagoon.

Holmes, R.
1960

Crocethia alba

7 June Barrow, Alaska
One seen about 1 mile north of Wohlschlog Slough. Two were seen a few minutes later about ½ mile south of this locality. All birds seen were flying.

4 July - 1 found dead by Dave Mullen near the west end of camp. It had been dead at least a couple of weeks (RTH - #697).

Holmes, R.
1961

Crocethia alba

3 June Barrow, Alaska
Two birds seen feeding within 30 feet of each other; one being in the company of 2 Dunlin. When this one was collected, the other flew around excitedly & gave a call note which was new to me. This was a rather dry chuga, chuga, chuga ....., repeated rapidly as the bird flew around me for several seconds. This apparently is an alarm call which must not be given on the wintering grounds.

5 June - 11 birds seen along the edge of Elson Lagoon. All were feeding together on the polygon tops & when flushed-would fly up together & land a few hundred yards away. Some were in a good reddish plumage about the neck & throat, while others appeared quite light in color. One had a very silvery back - as if the molt had barely begun. Three were collected.

7 June - a pair (or at least 2 birds together) was seen feeding near Elson Lagoon - (200 yards inland). It is surprising to find that so much of the winter plumage is maintained into summer. The back of some individuals is literally spotted - up to 50% with grey winter feathers. Others have very few (but always some - down to say 5%). There is no sign of molt

Holmes, R.
1961

Crocethia alba

7 June Barrow, Alaska
starting. The birds collected have been fat & are apparently still migrating.

15 June 1 bird collected, just N. of Trapline III A & B. A few minutes later, a pair(?) was seen feeding nearby. These were left - on the chance they might be breeding.

17 June Two pair of Sanderlings seen in area described above. The note given - flight is a chugh, chugh...... - different from any other peep & not heard from wintering birds. The usual note is a hoarse, throaty croak - much lower in pitch & more grating than the RB. The trill was not heard. Once when the 2 birds landed, one assumed the mouse-run posture, ran over to a depression & settled in - he appeared to scuffle back & forth - forcing the breast into the ground - leaving the tail projecting up at a 50° ∠. After several seconds it flew off in direction of the other bird. ~~**~~ The depression could not be found afterwards - so maybe this is part of courtship - as it was seen in Baird & Pernie pec - where the displaying bird went through the same procedure.

Holmes, R
1961

Crocethia alba

22 Aug Barrow, Alaska
3 immatures seen near the duck camp, feeding along the shore of a pond - 1 coll.

Holmes, R.
1962

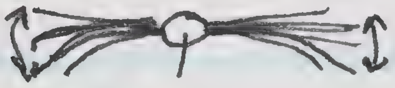
Crocethia alba

1 June Borrow, Alaska

3 birds seen W. of Voth Road - between it & the insect plots (1 displaying bird seen on Voth's area). The 2 birds in the ridges area perpendicular to the road were 1 displayer in good breeding plumage; the other was a very whitish individual with rusty/redder throat & a mottled back.

The displaying bird was feeding - small patches of exposed tundra & while he moved from 1 to the other - he would go into a display flight (sometimes for less than 10') & give the deep rah, rah, rah. Then land - & resume feeding. No wing-up behavior was noted.

Several times, it displayed for a minute or two - about 8-12' above the ground - outstretched & rapidly quivering wings. Its tail was slightly spread & it would be carried



by the wind for short distances while in this position before returning to a more direct course.

In one case, this displayer landed - ruffled its back feathers - stretched the neck forward & with the tail slightly

Holmes, R.
1962

Crocethia alba

1 June Barrow, Alaska

cocked (+ wings was pumped up + down several times) - it walked about a foot. (The light-colored bird was about 10' away - but this display did not appear to be directed toward it). The bird then straightened up + began feeding. This was never seen again - except that on several occasions - when the bird landed it would assume a hunched over posture - somewhat similar to the previously-described position.

The call note is perhaps best described as a deep, throaty krrr, krrr, krrr..... This is given during the entire aerial display as the bird is moving slowly - the outstretched + rapidly vibrating wings. During this display - there may be a slight pause in wing beating - + the bird will glide for a second or two. In one case when the bird landed - it gave a rapid series of notes - somewhat trill-like - which fell in crescendo

.....krrr, krrr, krrr. hee-jik
hee-jik
hee-jik
hee-jik
hee-jik
рrrrrr — given in a rapid sequence - chatter-like - as the bird lands.

Holmes, R.
1962

Crocethia alba

1 June Barrow, Alaska

This one displayer seemed to be stimulated to display whenever alpina would display nearby or when 2 alpina flew by in a chase. Whenever this occurred the sanderling would rise up & give a short (10-20) sequence of trrrr.... & then would settle on a small polygon top. No direct action was noted between the two species.

In the aerial display - there is considerable hovering in one spot as the wings are vibrated rapidly (most seen so far - i.e. [illegible])

3 June Bird seen in Britton's Area - standing in crouched position with back feathers ruffled - tail partly cocked & moved up & down.

Head pulled in - as in distraction display. In fact the over-all appearance was that of the distraction display - except that the tail was slightly elevated. As it ran it gave a yack, yalk, yack, or (yack), ck, ck, ck, ck..... in a very modified trill-like call. It then flew 20' to another open area - giving the call as it flew - in a shallow "[illegible]" display flight (10' off the ground) - then landed near another

Holmes, R.
1962

~~Erolia alpina~~

Crocethia alba

3 June Barrow, Alaska

lighter-colored bird - & continued giving the trill after assuming this hunched posture. At this point I was forced to move by a on coming weasel - when I looked back again a strange display was noted. The displayer was rearing up. wings held at 45° - tail about in normal position - giving this same trill-like call. It then took flight & chased this other bird to the south

The other bird kept on feeding - paying no attent until the bird went into the above posture & flew off in an erratic chase.

4 June Barrow, Alaska

0900-1000 - The pair was still at the roadside in Britton's Area. The male was walking around in the previously described hunched over posture - giving the deep grunt or gurgle (this was recorded on tape). He would run across a patch of snow hunched over (with tail in normal position); then he would assume normal posture for a minute or two - then return to this

Holmes, R.
1962

Crocethia alba

4 June Barrow, Alaska

peculiar posture. Finally while running slowly - giving these deep chuckles - he stepped into - nest cavity. Squatting down - & putting his breast into the bottom of the cup & moved in a side-to-side motion - apparently attempting to press the contents into the bottom of the cup - the tail & wings pointing high into the

air - so that the white undertail coverts & lower under body feathers can be seen - when looking from the right end. After moving from side to side - pressing down into the cup - the bird settled down & sat in a normal incubating attitude. After 2-3 minutes, it stood up (in the cup) & began picking pieces of grass & lichen from around the ~~cup~~ vicinity of the cup. It would pick these up (apparently - these were pieces laying near the cup - for I did not see him pick a standing blade) & throw them over "his shoulder" - or to the side (left & right). I could see no sign of stamping of the feet - but I was 50 feet away & grass was partially obscuring the view of the bird. All during this time the ♂ was giving this little chuckle note - seemingly a modified

Holmes, R.
1962

Crocethia alba

4 June Barrow, Alaska

a shorter version of the aerial call (about the same quality). It was given about once every 2 seconds. - See tape recording.

After it had been in the cup for about 15 minutes it got up walked away stepwise in the hunched-over posture - pecking here + there & then when about 10' away - straightening up + feeding in a normal way. About 15 min. later it made its way back to the nest + repeated the nest scouring + a short sequence of picking vegetation.

During all of these performances the ♀ was feeding (or at least pecking) within 10' of the cup - seeming to pay no attention.

No aerial display was recorded during the morning - except possibly when the ♂ once flew about 10' & gave a short sequence of aerial display notes.

When I returned at 1300 - the two birds were feeding near to the road - the ♂ was in the hunched - posture about 2' from the ♀. Due to heavy vehicular in the area, I had to move on - when I returned half an hour later - neither bird was seen.

One other individual was seen about 1/4 mi south of Barrow Area (distinctly marked - deep rich throat)

Holmes, R.
1962

Crocethia alba

4 June **Barrow, Alaska**

as opposed to the light-color of the pair which had been observed just minutes before.

One other matter should be noted again - that is when the ♂ is in this hunched posture away from the nest - he pumps the tail up & down - above the folded wings - but it never attains the full cocked position.

5 June Pr. not seen at 1300 - (Britton's Area) - but 1 dark bird seen with a flock of 8 Dunlin on the open land east of Dolt Area. Then at 1530 - the pair near Britton's Area was found 100 yds west of Dolt road & about 180 yards SW. of the previously located nest cup - where all of the observations were made yesterday. They seemed to be the same pair - since the ♀ was quite light - the male being darker (redder). When 1st seen the ♂ was in the hunched over-ruffled posture - feeding. He then walked to the top of a polygon - 3 feet from an old & now unused gravel road & sat into a cavity - tail was high & he worked back & forth as he pressed his breast into the ground. He was continually giving the low - prrrrr, prrrr - as long as he was in the cup. The ♀ continued feeding 4' away. Finally both flew 30' - the ♂ giving a low disturbance note - kehe - slow version of the "trill" noted

Holmes, R.
1962

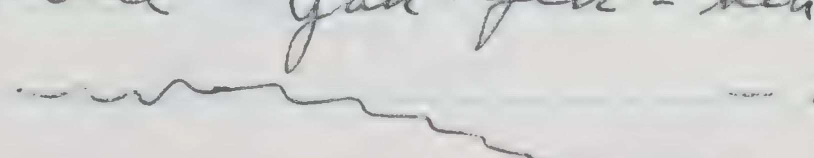
Crocethia alba

5 June **Barrow, Alaska**

yesterday. The birds then fed toward the north - the ♂ usually in his hunched posture. When I checked the spot where the ♂ had sat - no distinct cavity could be found - but only a shallow depression (ie no lining). The site of this was very similar to the 1st cup found yesterday. Both on polygon tops - near gravel beds - & both were very exposed - with very little vegetation.

Apparently - this act of the ♂ sitting on a cavity is part of the courtship ceremony. When time allows, the ♂ will go on for lining the site with bits of grass, sedge & lichen - but at other times - may just "try out" a depression. There may be any number(?) of these "false" nest sites made or checked during the courtship period.

6 June Only the ♂ was seen today. When first heard - it was doing the aerial display - which ended with the chatter-like trill yak-yak - kih, kih kih - kih ....



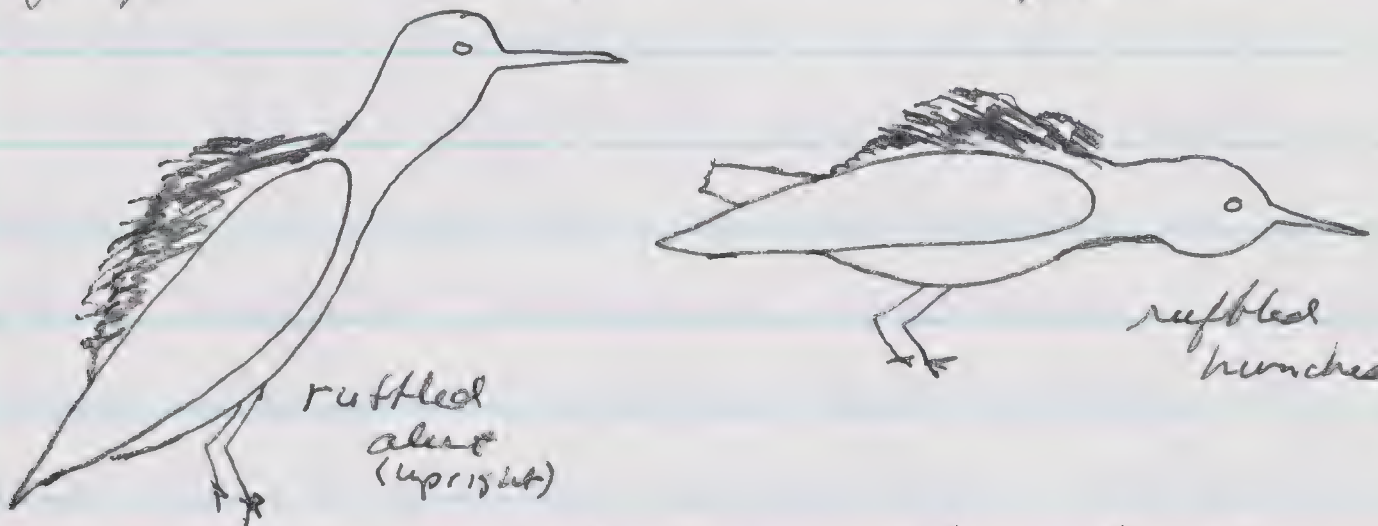
— dropping off — pitch —

Holmes, R.
1962

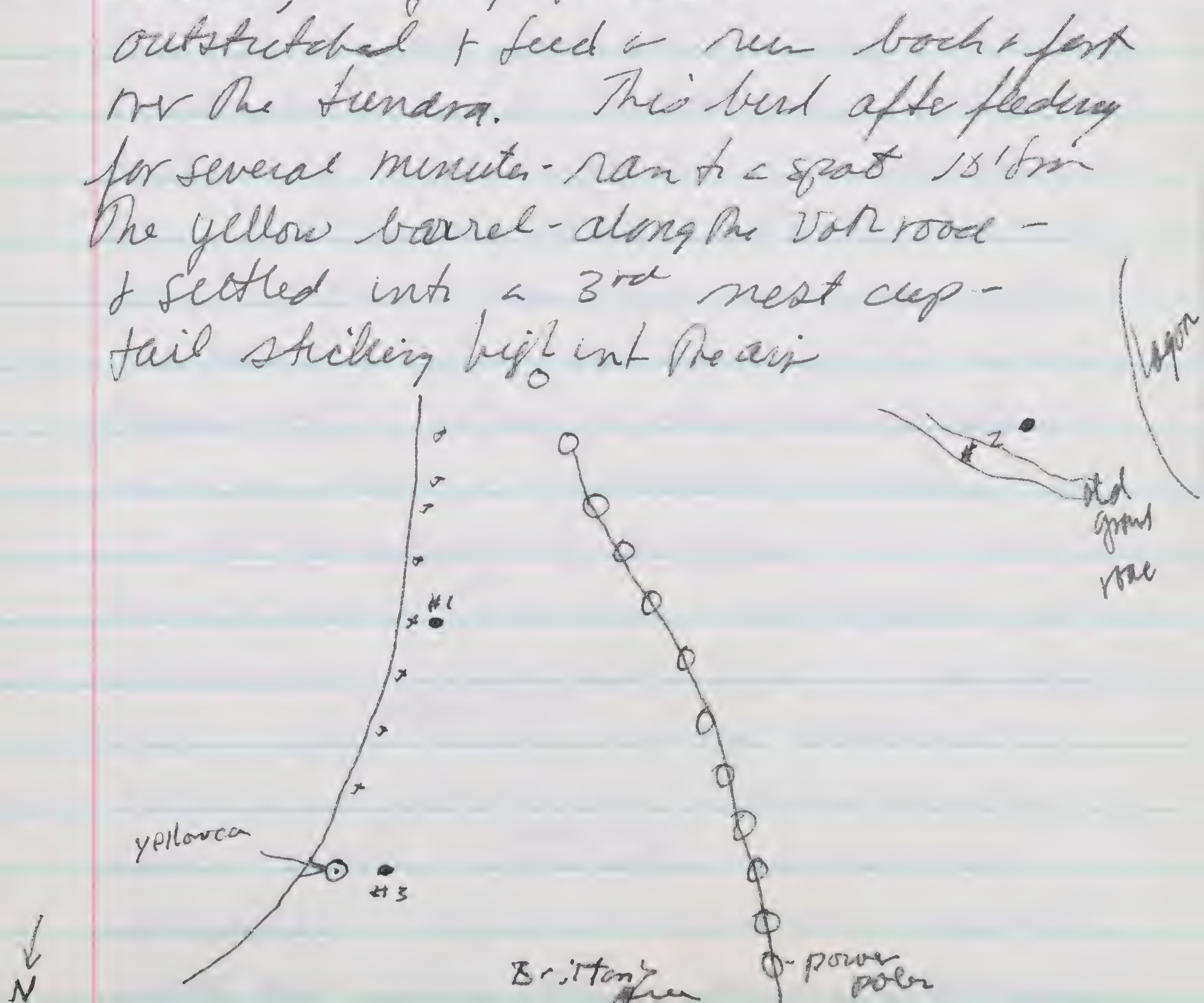
Crocethia alba

6 June *Barrow, Alaska*

The bird was again in the hunched posture — most of the time. He would either stand upright - with feathers ruffled



or more normally would keep his head forward, slightly tucked in - ie not outstretched & feed & run back & forth over the tundra. This bird after feeding for several minutes - ran to a spot 15' from the yellow barrel - along the Voth road - & settled into a 3rd nest cup - tail sticking high into the air



Holmes, R.
1962

Crocethia alba

6 June Barrow, Alaska
He moved around in the cup - turning several direction - but never really pressed into it nor picked grass. The ♀ was nowhere to be seen.
The bird left the nest cup after about 2 minutes - walking in the ruffled-hunched posture. Several times during the hour I was there it did short aerial displays which usually ended in this trill described above given as the bird lands. The wings were not held up after landing.
7 June One displayer seen at Britton's Area at 0830. One displayer on So. side of ridge toward Vuk's Area at 0900 + 3 chasing birds E of Vuk's Area at 1000. - I think these are all separate records! One of the birds of 3 - was chased off. When the other two landed - one went into a hunched posture.
Nest Cup Check - Britton's Area.
#3. - 8' to w of 2nd yellow drum along Vuk Road. 3" x 2" in depth - (grass + sedge pieces lining side - loose. lichen (Dactylina arctica) scattered on the bottom - some dark soil showing (The lichen in the large course - Dactylina ~~[illegible]~~ ~~Cladonia~~). Appeared nearly identical with #1 - when it was found previously.

Holmes, R.
1962

Crocethia alba

7 June Barrow, Alaska
#1 was checked - it has not changed since it was first located - loose lichen fragments in bottom - grassy material around sides
#2. Today - an actual cup was present - on the edge of a block - gray mossy low polygon - near the old gravel road. The edge & sides of the cup were lined with mostly old grass (gray in color - some brown - but matched background quite well). The bottom was covered with a solid layer of Cladonia which seemed to be packed down - This is the most well-made cup of the three.

8 June Birds not seen in Britton's Area - but were not really looked for. Two birds seen chasing flying south over barrel ridge [halfway between Britton's & Vohr's Areas.

9 June The entire afternoon & evening were spent in & around Britton's Area - no sign of the pair was noted. One displaying bird was heard - between barrel ridge & the main plots.

10 June 3 birds seen feeding at the north edge of the gravel pond - one bird was hunched - as seen above & violently chasing one individual away - while alternately displaying at the other - usually not causing it to move.
1 was seen in this area in the late evening.

Holmes, R.
1962

Crocethia alba

10 June Barrow, Alaska
another (dark) individual was seen on the north slope of barrel ridge - in the gravel of the road - then flew to east to vicinity of salt lagoon.

17 June One seen N of Gasline Ridge - near gasline & in the high polygon area - active displaying.

26 June 3 birds seen on the south side of the Beach Ridge - along the north + west shores of No. meadow lake. There appeared to be a pair + a single ♂ - all of which were involved in a chase - [as well as a ♂ Curlew Sdp] - all 4 birds flying erratically over the tundra + out over the lake. The Curlew Sandpiper was giving the twitter note - the Sanderlings (both ♂♂?; ? - but at least one ♂) was giving an aggressive chase note - which is a rattle - given at varying speeds - depending on the intensity of the aggressive situation. This agg. chase note ~~---~~ is usually uttered at a relatively slow tempo - 2 parts/sec che-che-che-che.. + when this ~~is~~ is speeded up - the parts are slurred together giving one the impression of the gurgling rattle of melanotos. The pattern of the two (species) notes ~~are~~ is nearly identical. That of melanotos is more bubbly or gurgly while that of alba is more "wiry" +/or "strained". Both are loud + chattered.

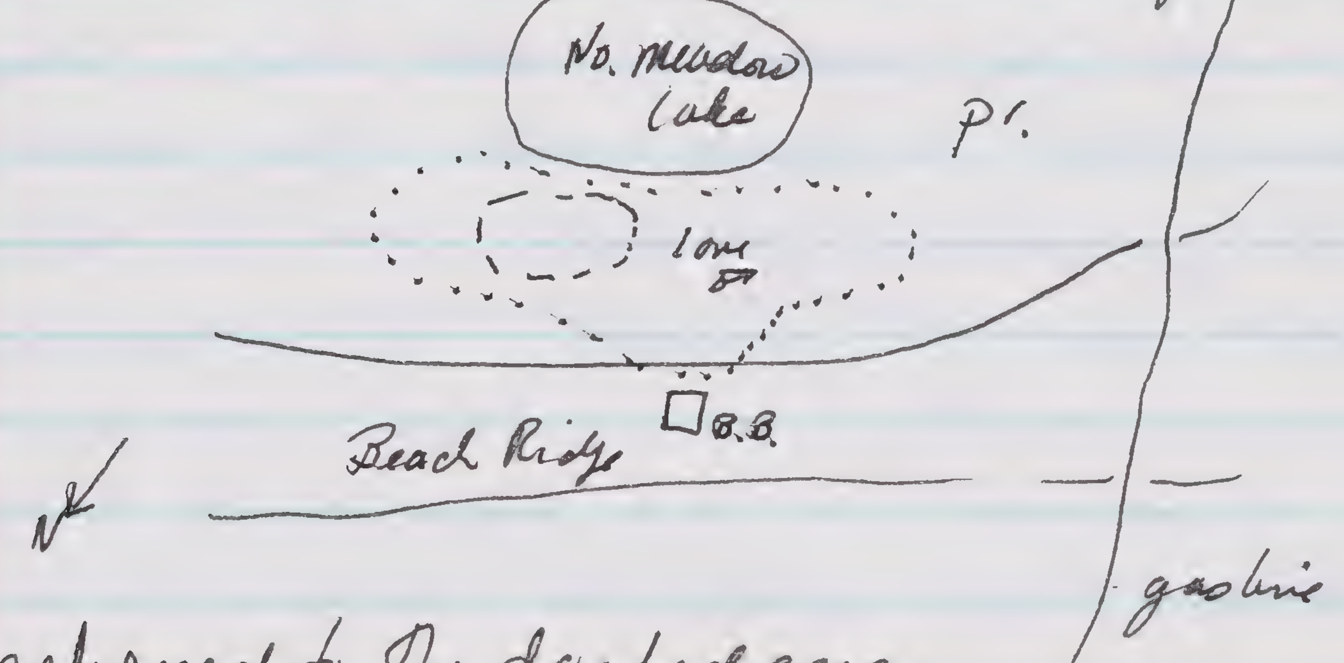
Holmes, R.
1962

Crocethia alba

26 June Barrow, Alaska

This aggressive note was given during the Sanderling-Sanderling chase, given by the Sanderling when chasing Pectoral & Baird Sdps. It is usually given when on the wing in chase or occasionally on the ground - prior to chase flight [i.e. as a group of Pectorals fly overhead).

The bird watched was displaying over the area - dotted - below - but always



returned to the dashed area.

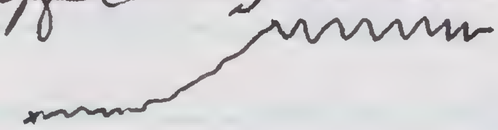
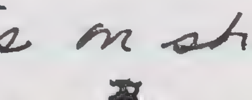
The pair was seen farther west, however during chasing - all three birds were flying over the entire area. It could not be determined if the settled bird in each of these territories was the aggressor in chase - while the bird was in his area - but this is probably to be assumed.

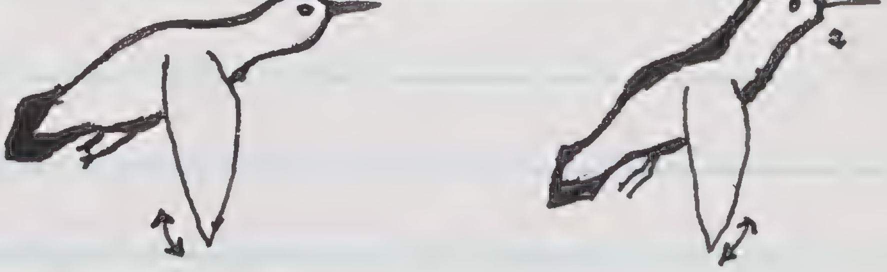
The lone ♂ would do aerial displays - some of which lasted less than 30 sec - & the bird covered about 100' - or other lasted 1 min. 30 sec & the bird flew to the

Holmes, R.
1962

Crocethia alba

26 June Barrow, Alaska

the west edge of the territory - all the way - quivering wings + giving the call note. At times - the two males would be counter-singing - ie both in the air at the same time - both displaying. The ♂ at the west end of ~~Twig~~ Meadow Lake - often displayed at a height of 30 to 60' while the lower - rarely went above 20'. The bird would fly from the ground at a low angle + often would seem to have trouble in getting off the ground - appearing to stumble across the ground. for 3-5 feet.  - once in the air, the bird flew up to 6 to 20' - starting to hover as it reached its display flight altitude. The hover is on shallow-wing beats - quivering rapidly  - the whole body is held at an angle - the tail is slightly lowered; feet are dangled



The head is held up slightly + moved up + down to a small degree. In all cases - the feet were drooped below the body - as seen sometimes in alpina. All the while, the bird gave the display note krraa, krraa. ~~Up~~ On landing,

Holmes, R.
1962

Crocethia alba

26 June Barrow, Alaska

The bird half glides, half flutters - alighting on the ground. No wings-up display is given. There is an uneven "trill" uttered at the end of the descent - onstage. Even during the display the wings were held at a wide angle — - but usually were moved up & down in a gentle flapping motion.

On the ground, the bird fed actively - & seemed to me - to show the most animated feeding behavior of any calidrine sdp in this area. It pecks or probes rapidly - several times in the same locality & when finally

18 Aug 2 immature seen along shore of fresh lake - 1 collected.

19 Aug 40-50 immature in the ponds toward THE POINT.

21 Aug 3 immature were along fresh lake

24 Aug 30-40 im. " in the ponds toward the point

25 Aug 1 im. along fresh lake

Holmes, R.
1963

Crocethia alba

27 May Barrow, Alaska
Flock of 7 near the south end of the beach ridge - 2 collected.

29 May Group of 5 on Elson bluffs - so. of Wohlschlag. Call note is a sharp whitz, whitz....
Flock seen by Willoughby on gravel beach beyond weasel... - feeding + down on ground aggressive chasing.

31 May Flock of 5 - 4 of which were in very gray-winter-like plumage - along bluffs south of Wohlschlag Slough.

1 June Flock of 4 on bluff, north Isatkoak slough

4 June Few flying east of dump area

5 June Few feeding near old cakeeater site - one dark red bird, one very light + sandy. One individual seen feeding along Elson bluffs, north of Wohlschlag.

6 June One feeding on beach ridge.

8 June 3 chasing repeatedly over north road near Transplanting III A+B, giving guttural chatter.

9 June 1 indiv. feeding in polygon area - no. of gravel ridge.

15 June Bird seen in "hunched" posture near - then bird - bird then jumped onto her back + "rode" for about 10' - she then flew - is she [illegible] - Copulation was not completed. He then chased a bird + then dived

RTH
1963

Crocethia alba

15 June **Barrow, Alaska**

an aerial display (hovering – & giving the low-pitched guttural kraa-ing note).

16 June One heard in high polygon – 300 yards north of gasoline ridge – near the gasoline.

Holmes, R.T.
1964

Calidris alba

10 June Barrow, Alaska.

2 seen together on gravelly ridge - 1 dark red, 1 lighter - gray.

14 June 1 flying past over beach ridge toward Fresh Lake.

19 June 1 indiv. - (light - gray - same as above?) on gravelly R.

Holmes, R.
1959

Ereunetes pusillus

10 June Barrow Alaska
Two (1 pr.) seen and collected near the gas well road. The ova of the female were greatly enlarged, indicating that they had probably developed along the way - in migration (?). These two were seen feeding; no displays noted.

11 June Barrow, Alaska
Several pair seen in the drum area, and the flight song was noted. The ♂ will fly 50 to 75 feet into the air, then glide for a second or two and then vibrate its wings rapidly for another second & then repeat the glide. This is accompanied by a steady chattering - sewing machine like note which hardly varies during the entire flight. This note was also noted when one bird (apparently the ♂) was chasing the female across the tundra.

12 June Barrow, Alaska
1030-1130. Several pairs seen chasing

Holmes, R.
1959

Ereunetes pusillus

12 June Barrow, Alaska
over the tundra in and near the drum area. A pair would race back and forth and then settle down on a small exposed patch of tundra. They were not always noted using the vertical-wing landing display, but it was noted several times. During the flight display, they may stay at a height of 20 to 30 feet and hover in one spot for several seconds, the float for a second - two and then hover again. At the end of the display, they glide at an angle toward the ground and alight with up-held wings. The wings are then slowly pulled down into normal position. During this gliding the wings are held at a slight angle . Both the chase and the flight display are accompanied by the constant chattering note. This note may become faster or slower, but is usually kept at a constant rate.

14 June Barrow, Alaska
Several birds noted displaying

Holmes, R.
1959

Ereunetes pusillus

14 June Barrow, Alaska
in the drum area. One individual was timed while he was performing his flight display. 110 seconds were spent in the air, practically hovering for the entire time. The wings are vibrated rapidly then there is a short period of floating with the wings held at a slight dihedral (~). During this 'floating' period they may drop in elevation ~~fo~~ as much as 6" to 1 foot but when the rapid wing beats are initiated again the bird is brought back to his original location.

15 June Barrow, Alaska
3 birds were noted going through their aerial displays. Also some chasing was noted.

16 June Barrow, Alaska
At least 3 and probably 4 pairs seen settled between Voth's Area and the row of tripod-like structures. These were seen displaying and chasing other birds from their area.

17 June Barrow, Alaska
Several pair seen in and near the drum area. These birds seem to stand on top of objects when they land after an

Holmes, R.
1959

Ereunetes pusillus

17 June Barrow, Alaska
aerial display. One landed on top of a "telephone-like" pole and was also noted standing on several of the drums. The aerial displays are still being carried on, and several chases were also noted.

18 June Barrow, Alaska
1000-1100. Very little activity on the part of these small sandpipers. One was seen displaying near the dump. When it landed the wings were held up for a fraction of a second and then lowered to normal resting position.

19 June Barrow, Alaska
Aerial displays are still going on and several aggressive actions were noted. No nests have been found yet. The communication note between members of a pair was heard several times today. It was a whining note which was given frequently when the birds were on the ground. Also when they were disturbed and flew several feet, they would utter this whine as a type of "defiance".

23 June Barrow, Alaska
Two aerial displays were seen in the

Holmes, R.
1959

Ereunetes pusillus

23 June Barrow, Alaska
drum area, and four birds were seen chasing. These four were flying back and forth over the north end of the drum area. It did not seem to be a territorial chase for the areas entered included a wide area from freshwater lagoon to the west to saltwater lagoon (middle). The same bird was doing the chasing throughout the entire chase which lasted nearly five minutes. At the end, the birds dispersed in different directions

26 June Barrow, Alaska
A pair was seen courting along the top of the beach ridge several hundred yards east of the gas line. The displaying bird (probably the ♂) assumed a low crouch with tail cocked and not spread, and the wings were dropped slightly. It followed behind the female for several feet and then a chase ensued.

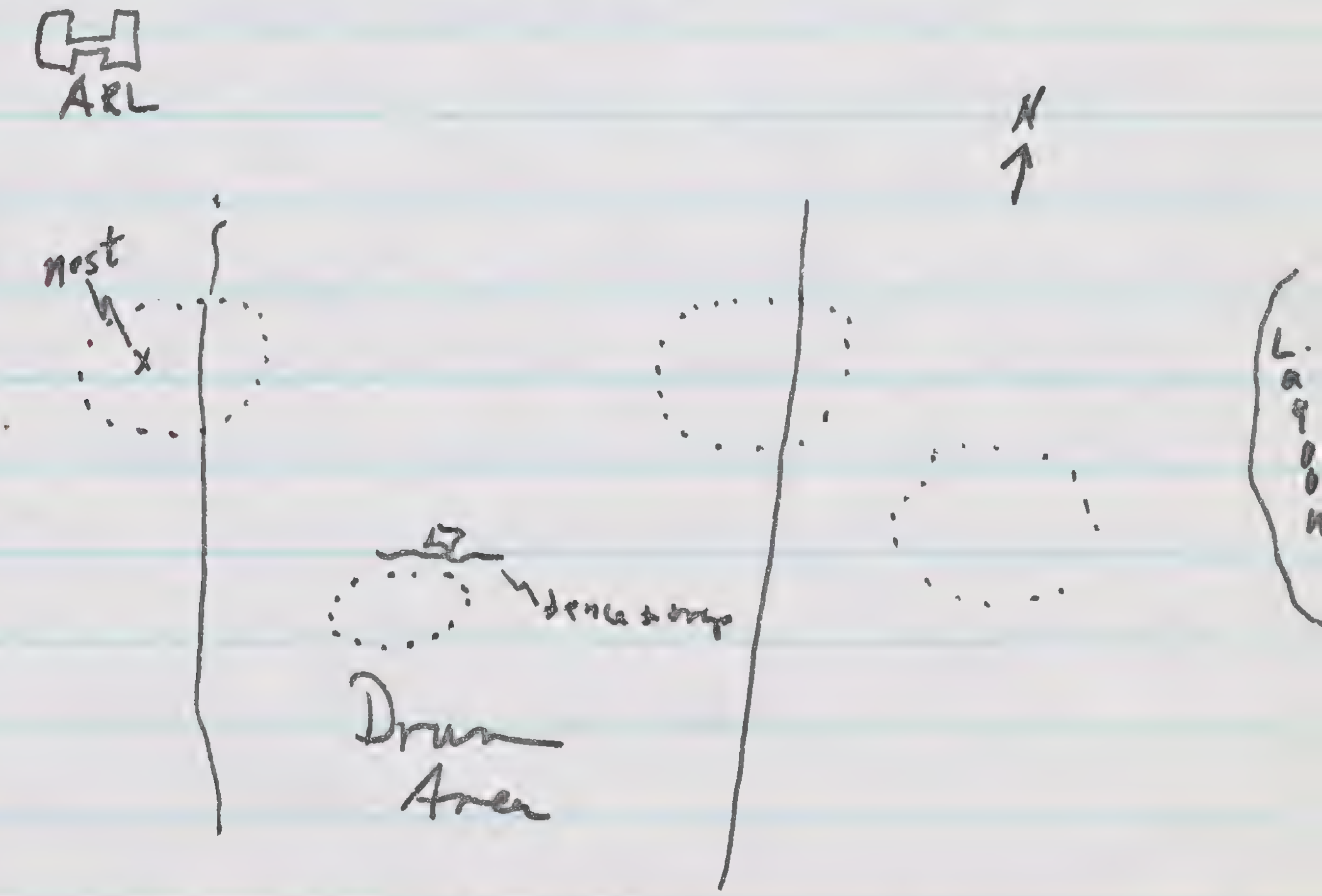
30 June Barrow, Alaska
Several seen in the drum area. There

Holmes, R.
1959

Ereunetes pusillus

30 June Barrow, Alaska.
seems to be one pair near the N.W. corner of the drum area and one on the N.E. side. Also one seems to be located near the fence-trap in the middle of the area.

6 July Barrow, Alaska.
Four pair were seen in and around the drum area:



One nest was located just west of the row 1 drum about 15 yards. It was on a low mound which was covered with dry grass. The nest contained four eggs which were light green, spotted with brown and black (not splotched). The eggs were noticeably

Holmes, R.
1959

Ereunetes pusillus

6 July Barrow, Alaska
smaller. The female performed a distraction display which was very similar to the earlier. The tail was dragged and spread, the back feathers raised, but the wings were not drooping. It uttered a call which was not the wheezy buzz-like call but a thin note which varied in pitch. It was given for several seconds at a time. She was highly disturbed and followed me for about a hundred yards before she started back towards the nest. The aerial display was heard 2 or 3 times near the boat and 1 the drum area.

8 July Barrow, Alaska
The nest was checked at 1930. The eggs had hatched and the young, all mottled gray, white and black, were present at the nest site. The adults became very excited on my approach and flew around, landing a few feet away, giving the alarm note.

Holmes, R.
1959

Ereunetes pusillus

8 July Barrow, Alaska
The distraction display was not used. As their alarm calling increased it seemed to attract other semi-pos from surrounding areas, so that there was at least 6 adult birds milling around while I photographed the young.

10 July Barrow, Alaska
Several were seen in the drum area, but not near the hatching nest. The aerial display was heard several times. There was much chasing going on, but territorial defense could not be determined since the chases covered great distances. Two displaying birds landed together on a drum, sat there for several minutes, and then took off again.

13 July Barrow, Alaska
A nest with four newly hatched chicks were destroyed behind A.R.L. Building 355 on Tuesday, 12 July. The young were salvaged today and one skin was prepared for comparison purposes. Also this evening

Holmes, P.
1955

Ereunetes pusillus

13 July, Barrow, Alaska
four young and an adult were seen just so + w. of The Building 355. The young scattered while the Ad flew around trying to defend her young. Both Adult were present, both were flying for a few second, landing and then flying again. Occas. a third bird would attempt to fly into the area, and it would be chased out immediately. Several displays (aerial) were heard from the male with the young and from other in the drum area.

14 July Barrow, Alaska
Two aerial displays were heard at the So. end of Footprint Lake.

20 July Barrow, Alaska
None have been see or heard during the last week except for a few immediately behind the lab. One was collected there during the evening.

3 August Colville Delta, Alaska
Two seen at George Leavitt's camp on the Colville Delta.

5 August Barrow, Alaska
Three seen just west of Freshwater Lagoon.

Holmes, R.
1959

Ereunetes pusillus

6 August Barrow, Alaska
During an hour spent on footprint lake during the evening, many flocks of these birds were observed. They ranged in size from 6-20 birds per group were abundant throughout the lake bottom. The main activity was feeding; however, many groups were sitting behind clumps of grass, evidently to get out of the wind.

7 August Barrow, Alaska
Again, many birds were seen on footprint lake. They were estimated to be about equal in numbers to the Pectorals - about 600 birds of each species being present on north ftpoint and about 400 each on the So. end of the lake. Considering that very few have been seen in this area for two weeks, these birds must be on the move (where?). Large groups were also noted near Wolfschlag Slough and along the inner edge of freshwater lagoon. The birds were feeding, actively and would not flush until approached with 6 feet.

Holmes, R.
1959

Ereunetes pusillus

9 August Barrow, Alaska
Two to Three hundred birds were still present on Footprint Lake. The birds were scattered; no flocks were observed. Due to a low fog, probably little flying was done.

11 August Pitt Point, Alaska
6 birds were present in a small pond next to The airstrip. three more were near The main buildings. Otherwise, very little activity was noted on The part of This bird.

13 August Pitt Point, Alaska
About 4 or 5 are usually seen in a small drainage ditch just So. of The base. Away from This area, none have been seen.

18 August Barrow, Alaska
Three were seen on the shore of Freshwater Lagoon.

19 August Barrow, Alaska
About 20 were present among the Red-backs and Dowitchers on Footprint Lake. They composed a very small proportion of The birds present. They were feeding among The others on The mud.

Holmes, R.
1959

Ereunetes pusillus

21 August Barrow, Alaska
20-30 of these were present on the southern half of Footprint Lake. None were seen outside of the lake bottom. None were seen near Freshwater Lagoon

23 August Barrow, Alaska
Two were seen among the dunlins on Footprint Lake.

25 August Barrow, Alaska
Two seen along Freshwater Lagoon

26 August Barrow, Alaska
6 seen on Footprint Lake among the ~400 dunlins. 6 were along the shore of Middle salt-water lagoon and 9 were near Freshwater lagoon. In general these birds seem to prefer the gravel lagoon edges to the soft mud areas.

27 August Barrow, Alaska
Three seen north of the duck camp (Birnirk) feeding among the dunlin.

28 August Barrow, Alaska
Two seen along Freshwater Lagoon in the late afternoon.

Holmes, R.
1959

Ereunetes pusillus

31 August Barrow, Alaska
None have been seen during the past three days.

Holmes, R.
1960

Ereunetes pusillus

31 may Barrow, Alaska
Two seen south of Wohlschlag Slough in company with 2 R. Turnstone & 1 Baird. Displays or other breeding activities were not seen.

1 June Barrow, Alaska
One seen near Elson lagoon during the evening.

3 June Barrow, Alaska
Two seen chasing in the drum area, and one was seen to do the aerial display

5 June Barrow, Alaska - Inaru R.
A pair was seen at the Inaru River near the Fish camps. The ♂ was displaying.

7 June Barrow, Alaska
1 seen south of Wohlschlag along Elson L.

9 June Barrow, Alaska
1 seen displaying on the beach ridge just S. & east of the magnetic station.

11 June Barrow, Alaska
At least 3 pairs were seen along the north beach ridge. ♂♂ from each pair were seen displaying. The longest time aloft (during which the whole display is given) was 25 sec

13 June Barrow, Alaska
One heard displaying on the ridge

Holmes, R.
1960

Ereunetes pusillus

16 June **Barrow, Alaska**
Two birds were seen chasing around the beach ridge. Finally one stopped, and the other came in next to it and landed. Then one stood up straight with head stretched upward, tail down in normal position and wings drooped. The other hunched over & seemed to be the aggressive one, for it tried to peck at the upright bird who did not fight back. During this pecking, the upright bird remained motionless but alert. After sev. seconds, the aggressive bird flew off, and the "upright" bird resumed its normal position & began feeding. At first, I believed this was a territorial encounter, but the more I watched it, the more it seemed like some kind of pair-behaviour.

19 June - 1 seen & heard displaying along the beach ridge.

23 June **Ikroavik (Barrow), Alaska**
1 heard displaying east of the plot near the shore of the lake (Ikroavik). No others have been seen or heard in this region during the last 2 days.

Holmes, R.
1960

Ereunetes pusillus

26 June Barrow, Alaska
Numerous birds seen along the west shore of salt lagoon. Most of these were involved in chasing & territorial encounters.

27 June - 2 seen displaying along the north section of the beach ridge.

28 June Wainright, Alaska
Several seen at the dewline site, but few were seen far from the site.

7 July Barrow, Alaska
A nest was located on the south slope of the beach ridge near the leverage antenna. It contained 4 eggs & each time it was passed, the bird flew off & landed several feet away with no distraction display.

11 July - This nest was again checked, & it still contains 4 eggs. Another nest was located near the main trail leading into the marsh (over the Beach Ridge near the magnetic station). It contained only 2 eggs.

16 July - The 2 eggs hatched today & both were in the nest at 1300. The nest on the south slope of the B.R. - near the antenna was still there

Holmes, R.
1960

Ereunetes pusillus

18 July Barrow, Alaska
The nest on the S. side of the B.R. was still in tact & the bird was incubating.

21 July - A brood of at least 3 young were found today along the edge of Voth's Creek near the shack. The chicks were at least 3 or 4 days old. Both adults were present & excited, but only the ♀ gave the distraction display. The ♂ continuously flew around given the trill call (given — same pattern — just like a short sequence from their aerial display).

29 July None have been seen during the last week, except for an occasional adult feeding along fresh water lagoon. Today, I was collected east of the beach ridge. It was excited as if it had young around — but none could be found. This bird gave a short series of the regular aerial trill as a disturbance note.

30 July - 1 juvenile + 2 adults seen across from fresh lagoon, feeding in the ponds there. The juvenile was almost flying.

Holmes, R.
1960

Ereunetes pusillus

2 August Barrow, Alaska
5 Immatures were collected out of a group of 8 in Footprint Lake. All were feeding in the wet marshy areas on the No. portion of the lake.

3 August A group of 6 seen again on Footprint Lake. All juveniles?

6 August Several small groups of Immatures (with the "buffy" breast band) were present on Footprint.

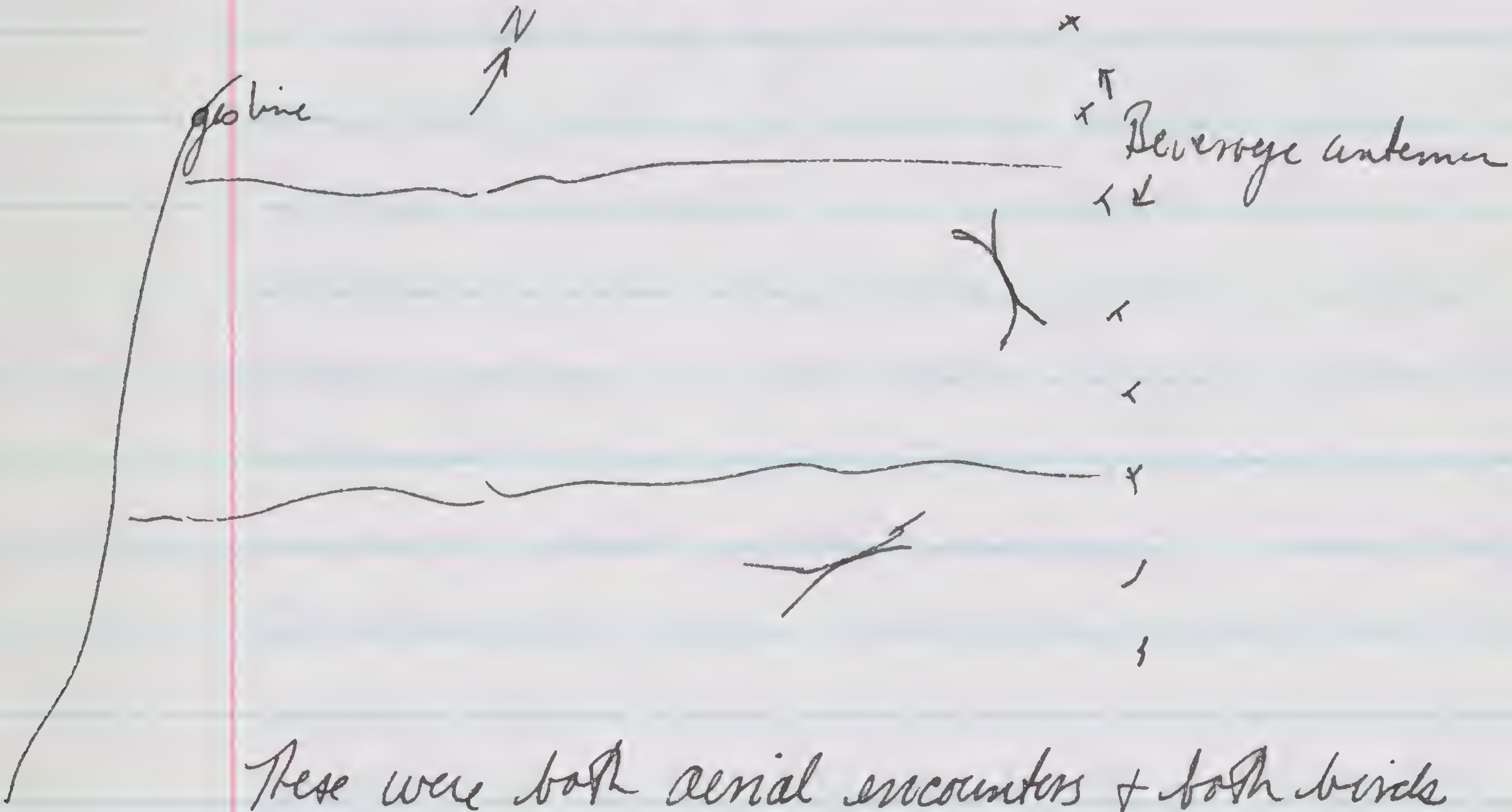
8 August Two immatures caught in the traps on gas line ridge, & several seen along Fresh Lagoon.

15 August None have been seen during the past week.

Holmes, R.
1961

Ereunetes pusillus

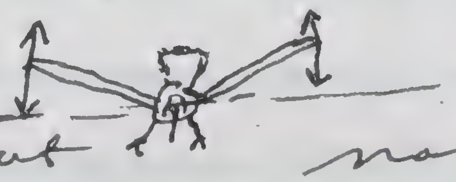
3 June Barrow, Alaska
Two territorial encounters were seen on the Beach Ridge, just so. of AACS.



These were both aerial encounters & both birds displayed after contact. The contact consisted of the 2 flying swiftly side by side both giving the trill, then separating & going into the hovering aerial display after they were several hundred yards apart. From this area of the beach ridge, at least 4-5 birds could be heard.

4 June - 2 indiv. seen near Britton's area. - see fuscicollis discussion.

5 June 2 pair seen south of Britton's area.

6 June A courting pair was seen near Voth's area. The ♂ (presumably) ran behind the ♀. His wings were held above the horizontal & were moved up & down , the tail was cocked but not spread.

Holmes, R.
1961

Ereunetes pusillus ✓

6 June Barrow, Alaska

The female kept moving away, picking at frequent intervals.

This same display was seen again about an hour later - probably by the same pair. The tail was raised as before & the ♂ followed the ♀ as she ran along. With wings spread & vibrated flippingly above the horizontal, the bird also teetered & waved in ~~his~~ a side-ways movement. This differed considerably from fuscicollis - in that the white-rump holds its wings much more stiffly & below the horizontal. Also there is more of an exaggerated stagger & waver in the white-rump. The bill was open & apparently sounds were being made, but wind obscured the sound. As the ♀ ran along, picking only occasionally - more as a diversionary activity, the ♂ would have to hurry to catch up & to do so, would lower his wings to their normal position, but keep his tail cocked & head up (head had been extended slightly forward in the earlier display) - & he would run after the ♀ in this position. In one case he raised one wing as he stood behind the ♀ (& this was not pointed toward her). The display lasted about 2 minutes

Holmes, R. 1961

3

Ereunetes pusillus ✓

7 June **Barrow, Alaska**

The display seen again near Voth's area. The birds were 1st noticed in a territorial pursuit - where 2 birds were chasing a third. The indiv then veered off & the other two kept together & finally landed. The ♂ went into the posture described yesterday with tail cocked & wings spread at a greater than horizontal ∠. The ♀ then took flight, the ♂ following close behind as they darted back & forth. The ♂ would set his wings at 20° above the horizontal & glide for a short time. He would fly or glide just behind & usually slightly below the ♀. All of this activity was accompanied by a guttural trill, similar to the aerial song. The trill was given in short phrases of 2-10 sec. duration. Whenever the birds landed, the ♂ went into posture. On 2 such cases, he did not have time to raise his wings (just tail was cocked) before the ♀ took flight. They would fly 30 to 200' land & then take to the air again after a few seconds. This went on for up to 2 min. - before they flew out of sight. The head is held up at about a 45° ∠ & not horizontal as in the wh-r.

8 June - Two birds seen displaying aerially. They came close together & it looked like a chase would ensue. One followed the other & they both landed. One went into the courtship

✓ 4.

Holmes, R.
1961

Ereunetes pusillus

8 June Barrow, Alaska

posture & appeared to court this other displayer. It is possible however that there may have been a 3rd bird involved, but nevertheless - do both sexes display? -

Another pair was seen later at a nest depression, (actually this depression had been sat in by a red-back less than 5 minutes before - but was now taken over by these semi-pals). The pair walked up to the site. One bird cocked its tail & walked into the cup, sat & began to scrape & compress the sod & vegetation with the same type movements as described for bairdi (8 June). He also picked pieces of grass & threw them over his shoulder into the cup & pressed them down. No foot stomping was noted, however. There was quite a bit of shuffling as the bird wiggled around in the cavity. The site was marked & will be revisited. (It was near the old air force site - east of VHR's area).

11 June These birds were very common - in the drum area & west towards the family lagoon. There was much chasing going on. A short chase would end in the lead bird - setting its wings in V shape & gliding down to the ground,

Holmes, R.
1961

Ereunetes pusillus

11 June *Barrow, Alaska*
While giving a trill. The wings are often kept in upward position & then are lowered slowly.

17 June – Active – the B.R. census plot today. – Some chasing, much aerial displaying.

21 June Nest with 3 eggs found just west of the new gravel road on the slope facing north toward Britton's area. –

23 June – above nest completely lacking – probably stolen by eskimo children who were seen in the area yesterday.

4 July None seen. –

6 July 2 seen on the edge of Central Marsh near the magnetic station. 7 were collected by Cade in the dream area – where these were flocking together. Again no sign of young. – all were in the start of body molt. – see catalog.

9 July – None seen in Central Marsh, but one was in the census plot.
♀ & 2 chicks seen just N. of Norton's area near the west end of Transect III A. – 2 chicks were banded. – All were feeding in a dried-up pond – on the bare mud.

Holmes, R.
1961

Ereunetes pusillus

22 July Barrow, Alaska
None seen during the last weeks, but 1 fully fledged juvenile caught in a trapline this morning. - mauri - not pusillus

30 July Sev. juv. seen along trench lagoon & on the ponds north of Bimcl - in company with E. mauri. Some aggressive activity was noted between indiv. of the species with mauri juv's? This consisted of short chases with head lowered & ... wings stretched out. This occurred along a small pond - 10' in dia - where 5 indiv. (3 pus., 2 mauri) were spread out. whenever 2 came into contact, they would assume this posture & drive one or the other out. This went on for 5-10 min.

2 Aug - Sev. seen in the gravel-pool area N. of Britton's Area - these were juveniles

4 Aug 1 juv seen & coll. - near North Area - it was flying & unaccompanied by Ads.

9 Aug 6 Juv seen in the gravel area near Britton's Area. - along with 30+ Juv Western

18 Aug None seen recently!

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1962

Ereunetes pusillus

30 May **Barrow, Alaska**
At least 3 displaying birds were seen on the exposed tundra east of Voth's area near Voth Creek. Birds were doing short (<1 min) aerial displays + some chasing was noted.

1 June 2 displaying birds seen on the bluffs east of Voth area. When chasing - a bird would set its wings + glide swiftly at the other bird - while giving a loud musical chatter. The other bird will fly up to off (if it is already flying) + the displayer will swoop by it again.

2 June 2 seen near Voth area + 1 near Bro Hess area

3 June 1 near Elson Bluffs

4 June Several pairs + individuals were seen along the Voth Road (on both sides + on the bluffs bordering Voth Creek - east + so. of the missile-site. One courtship action was noted. - Three birds were present - apparently 2 ♂♂ + 1 ♀ - the two males were chasing - one ♂ following would set his wings, glide swiftly + give trill call (not motor?) - then again rapid - deep wing beats + cackling - finally - turned + landed near bird on ground - while other bird flew out did an aerial display. Once this first

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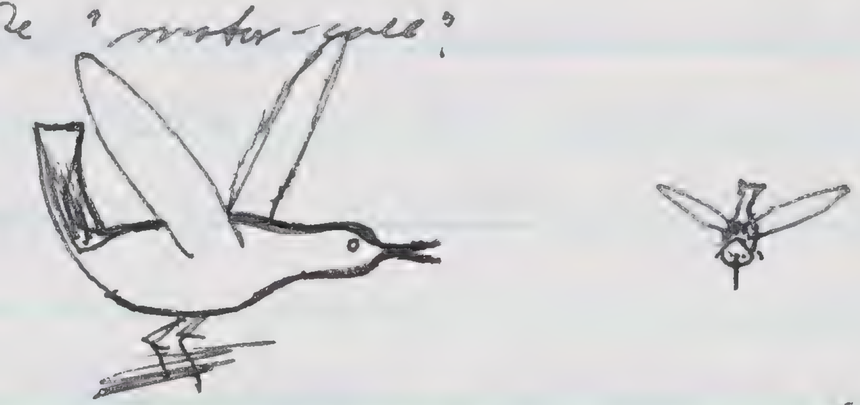
Ereunetes pusillus

4 June Barrow, Alaska
chase was on the ground - it kept its wings at 45°, tail cocked strongly (but not spread) & body tilted slightly forward. He ~~then or was~~ giving the chatter trill (again not the clear distinct "motor"). - this is more of a purring trill call - which is often given as an introduction to the aerial display & forerunner to the "motor-call".



In this posture - it moved toward the feeding ♀ (who paid no attention) in a swaying fashion - probably moving 30° to either side & then back again. All the while the trill was being given. Finally the ♂ who had previously been chased - finished displaying & returned. The ground display - lifted both wings - lower tail & took flight - flying between the other bird - as they flew off - in erratic chase across the open tundra.

5 June Several pairs seen on lowland - marsh habitat - SW of Britton's Area & No of the ridge - E of South Salt Lagoon. These pair were doing considerable chasing among themselves & between pairs.

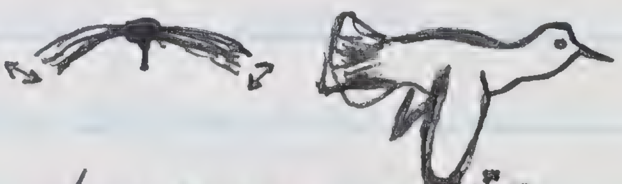
Holmes, R.
1962

Ereunetes pusillus

5 June Barrow, Alaska

One ♂, just finished aerially displaying had begun to feed - when a chasing pair flew by. The feeder took flight, following the pair. The chaser flew rapidly w strong full wing beat - then set his wings V - gliding behind the pair - then swerved back & landed. All this time - he was giving the long trill. This act - i.e. decanted wings & trill - was aggressive action.

The aerial song flight is performed 5-10' above the ground with the bird flying slowly or hovering on outstretched, slightly decurved wings - which vibrate rapidly.



The head is held up, slightly and a trill is first given - then blends into the motor-call which is given continuously for the remainder of the flight (tape). As the bird lands - the call often changes to an uneven trill-like song which terminates when the bird is standing. The wing action is quite different in this species - in that the wing-up act is rarely seen. When the bird lands, the wings are brought down & folded in place normally. The only time they are held aloft

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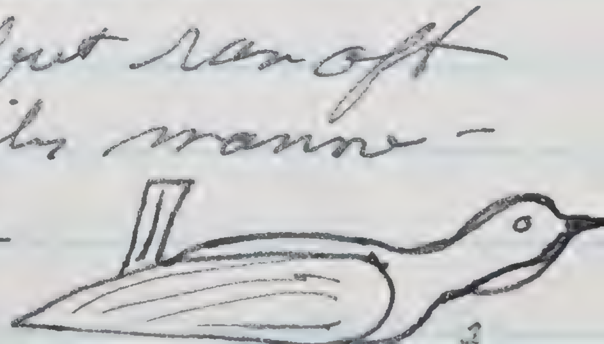
Ereunetes pusillus

5 June Barrow, Alaska

is when the bird goes into a courtship display - running after the ♀

Courtship seen twice today. As aerial courtship flight (a low flying - erratic chase) ends - the ♂ lands near the ♀ with both wings held at 60° angle, tail cocked - not fanned, head forward + begins to run at or after the ♀. The ♂ is giving the trill all this time + if the ♀ flies a short distance, he will fly after her - frequently with a shallow vibrating wing beat - landing again in the courtship posture. As he walks or runs behind the ♀ the whole bird sways or swagger from side to side - making it quite noticeable to an observer or any other bird near by (don't take literally!) [grammar]

Once when they landed after one of these flights, the ♂ folded his wings in normal posit - but tail remained cocked - head was held - half-high. The bird was not squatting as much as in the Long-eg courtship - nor did it move in a side - to - side motion - but ran after the ♀ in a mouse-run - like manner - this terminating in another flight



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Ereunetes pusillus

5 June Barrow, Alaska
This seems to be the usual semi-pal courtship pattern - wings up &/or folded - fluttering after the ♀ -. The ♀ does not seem to respond in anyway to the ♂ - except to turn her back & to fly.

6 June Birds seen & heard displaying in Britton's & Voth's Areas - as well as on the bluffs surrounding village creek (or slough) - about 3.4 mi S. of Barrow - another locality not previously known to me.

7 June Three birds seen displaying on the bluffs - across Voth creek toward the gasline from Voth Area - all three would be in the air giving an aerial display at the same time - but never made close contact while in the air - but once two landed - faced each other - both with tails cocked, wings at 45° - giving the trill. Then one chased the other off & returned.

When these birds are on the ground - the tail is often cocked & they frequently give a low broken chatter - when both. Even when landing - the wings may be held up at 45-60° - as above - or one wing may kept up & waving or one wing may be extended to the side - as if they were stretching. The tail is usually

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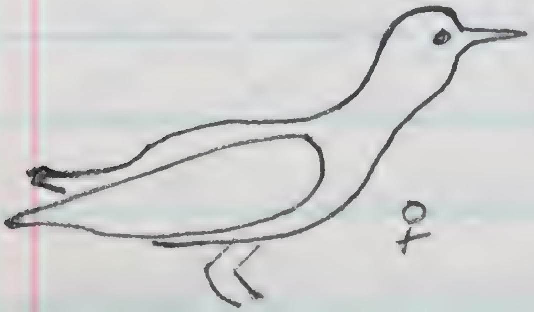
Ereunetes pusillus

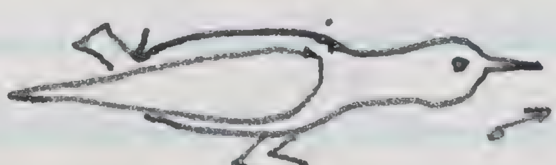
7 June Barrow, Alaska

cocked or partially so. [These statements concerning posture - apply most often to cases when some other bird is nearby + usually when this bird is displaying - If one bird lands by itself - with no others making themselves evident - the bird will land + assume a normal posture

The interesting question now - is - were these two birds - both in what has been considered courtship posture - 2 ♂♂? in aggressive action? or was this courtship? - The former seems more likely - but this will need verification.

Later - a pair(?) was being watched - both birds had their tail raised - (not strongly cocked) above the level of the folded wings - the bird which was taking the ♀ role had its head up - the ♂ with head down + somewhat drawn in - giving a mouse or like appearance - but back feathers were not ruffled. The male ran along in a "secretive-like" way - the ♀ walking swiftly behind +





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Ereunetes pusillus

7 June Barrow, Alaska

a few inches to the side. After moving about 6 feet the ♂ stepped into the cup + stood there for a moment - started picking grass from nearby + tossing it over his right "shoulder". This was done several times - the bird then stepped out of the cup - the ♀ walked through it - not stopping + then moved about a foot away - began feeding. The ♂ stood sev. inches from the depression, continuing to pick at the grass + throw it in the direction of the cup (- i.e. the grass was not held until the head + neck was turned all the way so that the piece would fall by his feet - but the head was turned with a quick throw + the piece of grass went off to the side). Then a displayer flew in the direction - the bird near the cup flew up - gave an aerial display - chasing the other bird away.

The cup located opposite the third set of antennae of the missile site (NE of Vortac) - was $2\frac{1}{2}" \times 1\frac{1}{2}"$ - bare on the bottom - with only a few roots + dark soil. No lining was present on the edges - perhaps the throwing action was more of a courtship ritual than a matter of practicality.

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Ereunetes pusillus

8 June Barrow, Alaska
One heard aerial displaying - near Elson Lagoon - Wohlschlag Slough - After seldom seen near Voth.

10 June Seen frequently in Britton's + barrel ridge areas - as well as several along Elson bluffs - north of Wohlschlag.

13 June At least 4 displaying birds in the core of Britton's Area - with much chasing going on. The birds give a trill eeeeeee - for short periods on the ground - this may end there or it may turn into the motor call of the species - which, however, is not given for more than 3 sec on the ground.

In the air they quiver down curved wings - sometimes starting with the trill - followed by the motor call - then giving the trill upon landing. Any of these components can be left out. Often the aerial display is interrupted by a chase or another bird displaying nearby. The 1st bird will set its wings at a 45° V - + glide in swiftly + erratically - giving the trill. - Once when 3 birds landed - 2 went into what I have been calling "courtship" posture - bill forward, tail cocked, wings held down + among a din of varied trill calls - they jumped back + forth - one crouching + lunging forward

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Ereunetes pusillus

13 June Barrow, Alaska
the other - apparently in an aggressive way. The courtship here & aggressive seem very similar - this must be checked further. The aerial motor call was given 50, 120, 60 sec.

17 June One nest located E. of Vohl's Area - on the south-facing grassy slope in a depression lined with grasses & covered over by tall grasses & sedges. - 4 eggs. - probably ♂ incubating - at least he gave a display.

Nest-cup display. Displaying bird landed - walked to a clump - sat into cup & waggled tail back & forth - remained sitting for about 20 sec - during which time - the ♀ walked up to him & then around him - finally he stood up - walked about 6" - she sat in cup for 1 sec - then stood & walked about & fed. By this time, the ♂ had run over about 15' away - & sat into another such cup - again doing the tail waggle - the ♀ soon caught up - again stepped into the cup after he had left it - then she stepped out - the ♂ had a cocked tail during most of this (often partly cocked - sometimes fully). & once he spread 1 wing out horizontally toward the ♀ - (in between cups) - at the same time, the tail was cocked. No full courtship posture was seen. However when the tail is

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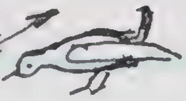
1962

Ereunetes pusillus

17 June Barrow, Alaska
so cocked, the bird tips forward .
After all this - the two birds moved off, feeding together. The only noise made during the performance - was a soft trill - similar to the aerial trill (not motor).

19 June · Drum area - 3 chasing - erratically through the air - low (2-4') from the ground - landed - 2 assumed head lowered, wings spread horizontally, tail cocked posture - hind end elevated - & ran at each other - fluttering into the air (7') landing again - posturing - dashing at each other - both birds fluttering into air with wings beating - & finally flying off - low to the ground, in another chase.

27 June Nest #1 - E. with Area - gone - nest & 1 adults - Numerous displays & aggressive action seen today between Britton & with Area. The motor call was heard only once but the trilly note was uttered frequently at at least two different speeds & frequencies.

26 June Found nest in B.R. - north / Pitelka's Plot with 1 egg.
30 June Nest - (" above) - with 4 eggs - 1 bird incubating
6 July Nest #5 - immediately behind ARL - When approached at 30' - bird flew off at rt cs - in a low flying, ~~rapid flig~~ injury flight - with tail down & wings flapping. landed 30' away & prostrated self - gravel - laying flat - with tail spread

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Ereunetes pusillus

6 July Barrow, Alaska

wings out to the side - at the same time whimpering. It then began to do a display ... feeding out along a gravel-bordered pond - not flying off until I turned + left - at which time it circled me + landed ... drum -- giving the agg... Nest ... so that eggs are covered over - ... eggs.

Some display activity going on today - but most of it was aggressive action toward other birds - No advertising or such.

12 July 2 seen N. of Voth Area - feeding in the pond-edge habitat - see feeding records.

14 July 1 specimen in body molt collected in No. Voth Area today -- see catalog

18 July Three young caught - trapline N. of Voth Area - see catalog.

21 July Two adults with at least 1 2-3 day-old chick E. of Voth Area. Both were excited - but only one was giving a injury display - ie wings extended - tail lowered + fanned + the ... flapping wings excitedly - at the same time giving a loud squealing note. The other flew back + forth - landing - then flying and giving a short version of the aerial trill - (not motor).

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Ereunetes pusillus

24 July Barrow, Alaska
1 Adult + 1 flying immature found & coll. near the insect ponds (J). One other adult was with the coll. Ad. - No others were seen.

25 July Two flying immature found feeding in a black mud pond - near Brant Point - 1 collected.

26 July Two juveniles + 1 body-molting adult - seen on Britton's gravel ponds - along with *mauri* (see species acc't).

28 July - 2 seen near Bl-mud pond - edge near Dolgsil & Olson.

1 Aug - 6 Immature near Britton's Area - (4 at gravel ponds - 2 on high polygons - These were still downy in the head & could just fly).

3 Aug About 10 young along the shore of Fresh Lake - intermixed with 60-70 *mauri* immature.

5 Aug Several immatures along Fresh Lake + 3 seen near Brant Point - These were far out-numbered by young *mauri*.

6 Aug Several immature along Fresh Lake - in Britton's Area. - No adults seen.

13 Aug Several immature in Gravel Ponds - Britton's Area.

14 Aug - The most abundant peep on the gravel ponds at Britton's area - with *mauri* - Only 3 of this species [illegible] - all Im

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Ereunetes pusillus

18 Aug Barrow, Alaska
None seen along any of the lagoons to the north - Fresh, No. Salt & Elson - but many ~~were~~ mauri were present.

19 Aug - 1 immature seen on the ponds toward the POINT - among large numbers of mauri.

22 Aug 1 immature on Britton's Gravel Ponds

23 Aug None on " " "

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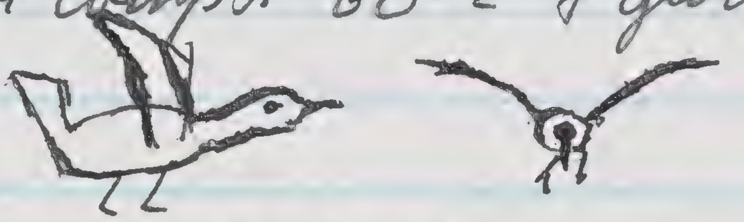
Calidris pusillus ✓

27 May Barrow, Alaska

Two seen on Elson bluffs, north of Wobbleblog. Both spent most time in feeding, but one (♂) followed the other, keeping 3-4 feet behind. As he came close to the ♀, he would cock his tail to 60° ∠ & start giving the motorboat call (which lasted for 2-4 seconds - only). Once, he lifted both wings to 60° ∠ & giving the

agg

(tail raised)



full walked up to the ♀, who immediately ran off feeding. Twice, the ♂ lifted one wing (both times, it was the left & toward the ♂ - even tho. he was 3' away), and walked parallel to her — she again ran off feeding. The pair was collected several minutes later.

food

The ♀ while feeding was seen to find 2 tipulid larvae which she picked up in her bill & ran several feet (away from the ♂ - who moved along behind her) before she swallowed them. I have never seen this before - usually the items are taken in at once.

Above 2 were ♂♂ - see # 1901 & 1902. Apparently the actions described above were ground aggression - interesting that the more aggressive indiv. followed the other on the ground & other made occas. attacks

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C. pusillus ✓ 2.

28 May Barrow, Alaska
Two seen in the drum area near the radio shack. One was walking across a snow field toward a hummock (exposed) where the other stood. The one on the snow cocked its tail, raised one wing (which faces to the side - not toward other bird) & gave 10 sec of the trill. Once, he raised both wings to 75°, tail cocked, gave motorboat song for 15 sec - all the while walking. Suddenly it took flight - low over the ground - with wings at 45° - gave short trill & landed by the other individual. Both birds sat on ground for 5 minutes, at which time, they ~~[struck]~~ flew off to the SW - trilling & gliding on 45° ∠ wings - about 20' apart - moved across family lagoon. Probably a pair, 2 ♂♂ which are not settled yet.
One heard in Britton's area.

30 May At least 3 seen on Voth Creek Bluff, one gave a brief aerial, hovering display.

1 June Two displays along Voth bluffs.

2 June Several birds seen on bluffs south of village slough - one displayed - would fly to a height of 15-20 feet - giving an uneven chatter, then at the peak, set its wings at 50-60°∠ - begin giving the motor boat trill - as he glided smoothly back to

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C. pusillus

2 June Barrow, Alaska
the ground.

This occurred four times in about 3 minutes. Twice a ♂ pectoral chased one of these displays at the end of the above sequence - but both eventually landed near each other & began feeding.

4 June Overhead displaying in drum area

5 June Britton's Area - at least two displaying south of towers - 1 chase between them noticed - the aggressor gave a harsh dry chatter (or uncertain bird) which was lower in pitch than the aerial churring.

While churring, the pitch is usually even but is broken by "break-taking" - each sequence runs about 15-30 sec - then c pause 1/2 - 1 sec - the trill then resumes. The whole performance may go to 5 min, usually not more than 2 1/2 - 3 min, however. During the churring, the pitch occas. goes up for several seconds - then drops back to the monotonous long trill. - Whole seq. may be given from ground, from perch or "telephone" wire (seen today) or from hovering position.

Bluff above Voth creek - E. of road - at end of former towers. - 2 birds seen - on ground about 10' apart each feeding - one (#1) suddenly flew up, trilled & landed near the other (#2). The #2 - went into

Holmes, R.
(196?)

✓ 4

C. pusillus

5 June Barrow, Alaska
a head down & forward posture, with tail lowered, half-spread, wings in normal position, & scapulars partly raised. #1 remained in an upright position - the two birds faced each other for about 10 sec, then each wandered off slowly. #1 did a nest cup display in a tall patch of Arctophila, then moved out & did two more partial scrapings in 2 different spots. #2 took off in the wind did a brief aerial display & landed 100' away. Both birds fed. Later, they again came together, neither one did any special posturing - but suddenly #2 turned its head, laid its bill onto its scapulars - with eyes still open looking at the other bird who was standing upright a foot away. After about 20 sec both birds moved off. These were collected - both ♂♂. It's interesting that #1 was doing a nest cup display - with apparently no ♀ around - I believe these were not done, however, in response to or for the other ♂ - ie it was not aggressive or ~~[illegible]~~ displacement activity - but was a prelude to sexual activities.

The nest cup where the scraping took place was 2½" in diameter - clear - bare black ground in the bottom - where grass had

Holmes, R.
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C. pusillus

5 June Barrow, Alaska
been removed. The sedges were abundantly lined with loose pieces of grass, sedge & lichen. The display seen consisted solely of the rotation of the breast with the bottom & lower side of the cup - which lasted only 10 sec - (it was quite close to weasel & probably was thus disturbed.)

6 June Several chases & displays seen along the west bluffs of Village Slough - Sev. collected. - tundra here is open grass flat - with some small mounds (1-1½' in dia) - covered with lichens, & black moss (?). The SP seemed to be more in these areas where vegetation was rather poor - although they also ranged thru the grassy plains.

Individuals were seen frequently between Brother & VOR area - will be good place for collecting.

8 June One seen courting (?) - tail up - not spread, wings up - head forward - following after another bird (♀?) - giving modified motorboat call. - Later 1 individual was collected in the same area.

One indiv. seen & collected along Elson bluff.

Several chasing near Trapline LB A+B

18 June Several in Brother's Area - only 1 display heard.

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1963

6.

C. pusillus

12 June Barrow, Alaska
1 along roads west of Fresh Lake. - collected
18 June - These birds are scarce this year - one heard on beach ridge yesterday - only 2 seen along Voth creek this afternoon - feeding in the mud along the creek bottom (gravel bars). This species may rely on this source of food in many areas - since they are distributed along the major river systems. -
23 June Nest with 4 eggs + inc. bird found on Voth creek bluffs - 30' east of gravel road (just after it leaves cathedral road). The bird did a rodent run, which was accompanied by squeaky notes (see TAPE). Several others seen for heard in the same area.
26 June Nest with 4 eggs + inc. bird - 150 yds. N of Voth. eggs 76% covered + were layed in a dense cup, so that shadows were effective in hiding the eggs. Nest was in disturbed area - as was the nest above.
29 June Several collected along Voth creek - 6 of which molt was beginning.
3 July Nest - 1 + 1 - found 2 young just out of the egg - & probably the other 2 were nearby - only 1 parent present. Thus young had probably not fed yet - they were not collected - but were banded.

Holmes, R.
1963

C. pusillus

4 July Barrow, Alaska
Brood of 3 found by Bohnsack in drum-area at 1030. When I went out at 11 - these could not be found - but the adults were acting up - so they were in the area. - 1 dead chick was found at a pond-edge.
In the evening - after we had received 2½" of snow - found 2 Ads & 4 chicks on tundra behind Bldg 256 - the chicks were being brooded by one of the adults. Birds were feeding at pond margins & in the dry mounds - but feeding sites were definitely limited
5 July Much saw brood of 4 ~~in s~~ this am - in same area as last night - probably same group.
Semipal. nest on B.R. census plots - with one bird - and 2" of snow - it popped off the nest when I approached. - eggs were warm.
Several seen in Britton's Area & 3 collected. Also a family group of 2 Ad & 4 just-hatched chicks were taken from Ual area - groups - the displays today - exc. distraction-type.
7 July 3 nests located by Dick Morlan (George Woodhurst Univ - Anthropologist) - in drum area - will locate these soon.

Holmes, R.
1963

E. pusillus

10 July Barrow, Alaska
Flock of 4 birds moving along gasline near gasline ridge. The one collected was a ♀ with well dev. incubation patches.
12 July Two seen & collected 100 yds south of north salt lagoon - acting as if they had a nest nearby.
Several adults milling around on of the west bluff of [illegible] creek & one flying young was collected.
13 July 1 in Footprint Lake
14 July Nest on beach ridge census plot contained 4 - less than one day old chicks. Both adults were present.
15 July An adult with 4 young were found on north slope of beach ridge - 200 yds SE of ABCS - 1 coll. & rest banded.
18 July 1 Ad collected east of ABCS - may have had brood nearby (not obvious but with chicks)
19 July 2 collected from Britton's area - probably had nests or chicks nearby - but they were not found.
25 July Two flying immatures collected on gasline ridge - in full plumage - no down showing. 1 immature was also collected in [illegible] area.

RTH
1963

E. pusillus

~~26 July~~ 5 Aug Barrow, Alaska
1 Juv in Britton's Gravel Areas
18 Aug 3 Juv along Fresh Lake
23 Aug 1 Juv collected along Fresh Lake.

Holmes, R.
1964

C. pusillus ✓

4 June Barrow, Alaska
Several in drum area - some chasing, accompanied by chatter. Only 1 aerial "motorboat" song was heard.

5 June 2 chasing in Britton's Area.

6 June 2 chasing in AACS area - one (the chaser) set wings at ✓ glided & then landed, folded wings normally - no landing display (in air it had been giving an irregular, long eeeeeeeeee. Once on the ground, it ran a few steps, assumed a "scraping posture" with tail at 45-60° < (higher than RBS in equivalent posture), body tipped forward

& settled into, during [illegible] - I could hear a continuous, but soft motorboat or constant trill from the individual. The other bird which had been nearby walked over to clump & also disappeared from view. Then, 20 sec. later, both flushed. On inspecting the scrape, I found it to be located in a dense clump of Arctagrostis on the edge of a low polygon - completely scraped clear of all vegetation (except 3 dead Petasites leaves - the bottom was black - sod = or earth.
As I approached the cup - the individuals appeared & gave several short trills, staying 20 ft away.

RTH
1969

C. pusillus

7 June Barrow, Alaska

Several chasing & displaying in drum area. -
In chase give a plik, plik,... or one long
uneven seeeeeeeeeeae - trill-like note -
often uttered when the wings are set in a
wide V & the bird is gliding.

On ground — 1 precop display(?) seen: - 2 wings
were held up & out, tail cocked, not spread

< faced second bird,
presumably ♀ of same
(2' away)

They had been feeding together for several min. -
gave a short trill (motorboat type). Then
it was over - he stood up - raised 1 wing to
vertical, tucked other in normally. Lowered tail
to normal & trilled for about 4 sec - flew off
& gave a aerial display.

10 June After aerial display - bird landed, kept 1
wing at vertical for 1-2 sec. In display flight -
wings are definitely down-curved & quivered in that
position. The bird usually gives 8-12 rapid quivers -
then glides for 1-2 sec - then quivers wings again -
rising on the quivering wings, falling slightly
(or at the end) to the ground. The rise to the
display site is gradual - usually at a 45° ∠
or greater ______ . Sometimes
climbs to 30' - peaks & then descends.
The case - the bird gave an uneven trill in

RTH
1964

C. pusillus

10 June Barrow, Alaska
ascent but was silent after it started down
In evening - one displaying on Voth's Bluffs
11 June Considerable activity in drier area near old quonset huts. Chase with 2 birds - landed - aggressor (chaser) - landed with 1 wing aloft, tail raised to ~45° - ran toward 2nd bird (1' away) - chased again, giving rapid harsh trill (different in quality from the motorboat by being harsher + slightly lower in pitch) - landed again with 1 wing up + then raised other - tail still half cocked - gave same trill note rapidly.
Later 2 nests found - each with 4 eggs - The one that I saw was on a low polygon - with scattered grass-sedge cover - nest was lined with grass blades, sed. pieces / lichens. Nest cover - about 60%. Incubating bird did not give a distraction display but stayed in close giving a short (2-3 sec) chatter-trill - composed of 8-10 notes, given in rapid succession [ch-ch-ch-ch...] - nuzzal = quality. This is an excitement call similar to the due-it - call of bairdii - ie given near the nest but not in the distraction display.
13 June - Call note in flight - a short, sharp + emphatic "kritt" or "ka-ritt". An aerial hover + song ~~accompanied~~ (given continuously) for 4 min., 20 sec. - no break in song - but varied in pitch as bird moved up + down (ie moved wings faster or slower)

Holmes, R. T.
1964

C. pusillus ✓

27 June Barrow, Alaska
Several displaying in drum area - recorded. - Regular call note - also on tape.

28 June Nest with 4 eggs + inc. Bird - on No. slope of beach ridge, 100 yds west of bevering antennas. - Located in well-vegetated slope - in 4" deep depression - 50% exposed - but so far below the surface that they were in shadow.

The call note is a rolled - harsh krick or krrruckk.

Maclean reports that one nest in the drum area has 1 young + 2 pipping eggs.

Holmes, R.
1959

Ereunetes mauri

25 June Barrow, Alaska
One bird was seen just N. of Wollschlager's Slough. It was chased over to the blood red ? but was not collected. The buffy (more reddish) color on the back was noticeable also on the top of the head. The bill was longer than a Semipal. and was slightly drooping.

Holmes, R.
1960

Ereunetes mauri

12 Aug Barrow, Alaska
A group of 6 seen in Central marsh; one was collected by Maher
13 Aug Three more were collected today. They all appear to be juveniles & differ from pusillus by a buffier breast band and much more red on the back. Of course, the bill is also larger, which is most distinctive.
14 Aug 2 seen today. The birds have been sticking to the region of the marsh which is adjacent to the east arm and in the NE corner of the marsh
16 Aug Ipewik Lake - Alaska
On the island in the middle of this Lake (inland from Cape Lisbourne), I noted 2 Ads + 2 Immatures feeding among the Phalaropes + Red-backs
25 Aug Barrow, Alaska
Two seen in the ponds near Freshwater lagoon. (collected by Pitelka)
26 Aug - 1 present in the above location feeding among the phalaropes along the shore of the pond.
3 Sept 1 collected along with Creek, S. of Freshwater lagoon.

Holmes, R.
1961

Ereunetes mauri

Barrow, Alaska - Wales, Alaska
-See 29 June - 1 July Journal from Wales for notes (+ catalog.)

In processing specimens 1st yr birds were distinguishable from older Ads. These 1st yrs - showed a streaked throat rather than the Δ-triangular patches seen in Ad. Their coverts were worn - + generally they lacked the spots on the flanks. The feathers at the back of the neck showed what appeared to be juvenile feathers - or at least thin wispy feathers not well developed as new.

These 1st yr. birds had brood patches.

22 July - See E. pusillus
30 July Barrow, Alaska
Sev juv. seen + coll. near mouth (N. Brinich) - seen with juv. E. pusillus. 1 Ad - 1st yr was coll. in the same area.

2 Aug These outnumbered pusillus in the gravel area N. of Britton's Area. - 30 juv mauri to 10 juv. pusillus. All were feeding - no aggression. 1 mauri coll.

Holmes, R.
1961

Ereunetes mauri

3 Aug Barrow, Alaska
10-15 Immature seen N. of Brower
around the pond-area. 3 were coll.

9 Aug 30+ imm. seen along the gravel
ponds - no. of Britton's Area. 1 was
in the arctophila ponds east of
the insect plots.

11 Aug 6 Imm. feeding at the curve of
the B.R. - in central marsh.

Holmes, R.
1962

Ereunetes mauri

26 July Barrow, Alaska
One adult + 3 Juveniles seen at Britton's Gravel Ponds - The group stayed together - probably a family group. The adult + one juvenile were collected.

1 Aug 8 immature - the gravel ponds near Britton's Area.

3 Aug 60-70 immatures along the edge of Fresh Lake - feeding in the shallow water or on the gravel. These were scattered along over 2-3 feet.

5 Aug 15-20 along Fresh Lake - 4 on the south end of central marsh, 6-10 near Brant Point + 4-6 along the south shore of airport lagoon. These are conservative numbers - since birds were flushed all along the route travelled.

6 Aug Again surprisingly large numbers were encountered today - 20-30 along Fresh Lake - scattered 2+3's between the beach ridge + gasline ridge + in the wet polygon area south of gasline R. - several near the Ponds E+J - in the Wiseman area. - All immatures

13 Aug 8-10 immature on Britton's Gravel Ponds.

14 Aug This was the most abundant species present at Britton's Gravel Ponds - 30-40 immatures. Also several ~~along~~ along Fresh Lake.

Holmes, R.
1962

Ereunetes mauri

15 Aug Barrow, Alaska
6 along Fresh Lake – none seen on the tundra.

16 Aug 3 in Britton's Gravel Area – group of 8-10 along So. Salt Lagoon – were feeding on the open mud – about 5' apart – Two chases were seen – where the aggressor would lower his head & charge the other bird – which would flutter or run off – but birds would then resume feeding. All were feeding out of the water on the open mud-sand – feeding by picking.

18 Aug Immatures seen at edge of Fresh Lake (3), No. Salt Lagoon (200+), & Elson Lagoon (5) + scattered individuals in central marsh & east side of Barrow ridge. Several collected – showed no evidence of fat – juv. molt.

19 Aug 60-80 immatures along pond edges – on the ponds toward the Point.

20 Aug One imm. along Voth creek near calcareous site.

23 Aug 4 ~~ad~~ imm in Britton's Gravel Area.

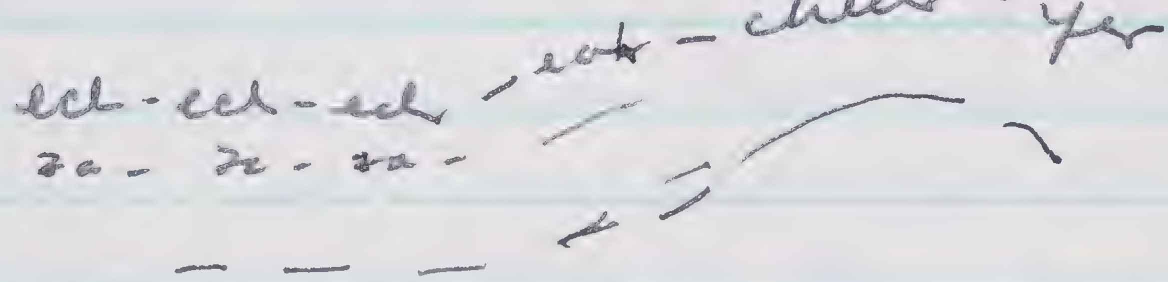
25 Aug 4 imm on the ponds toward the Point

Holmes, R.
1963

C. mauri

22 June **Barrow, Alaska**

located at least 2 birds on beach ridge. One did an aerial display - hovering on outstretched, quivering wings - at 15' above ground. The bird rose + fell ± 1 foot while it gave its song. The song had a buzzy + at times almost shrill quality + very roughly can be characterized in the following way.



The cheer component is the most ~~shrill~~ shrill section + is ~~drawn~~ drawn out at times.

After landing the bird fed along the ridge top + while doing so was chased 3X by a semipal - who would land nearby, raise its wings + slightly raise its tail above the horizontal + then dash at the WS - who would run a few steps or hover fly several feet + land. This went - 3X - + then the birds flew off with the SP chasing the WS + giving its trilled call note. After flying 100', the SP turned back, gave a brief aerial display + song + then landed. The WS later returned behind (+ below) the SP landed in the same

Holmes, 1963

C. mauri

22 June Barrow, Alaska

area where he had before & resumes his feeding. No further interactions were noted. The call note of the WS was a partly nasal preet, not too different from that of bairdii.

A few minutes later, the ♂ which was the individual involved in the chasing - disappeared. He was then flushed from a nest which contained 2 eggs. The eggs were light green in background color with very heavy splotches of reddish-brown color - large end becoming smaller toward the pointed end. The nest was on the east side of the ridge, 50' from the crest - on a slope of about 20° - & in bumpy but not polygonal ground. It was surrounded by grasses - which formed a 20-25% cover over the eggs. The cup was lined with dead grass blades.

The ♂ performed a distraction display as in other species. Tail depressed & spread, wings drooped to side, back feathers ruffled. The bird then skittered off through the grass, giving a series of soft squealing notes. He resumed - rodent run posture about 15' away &

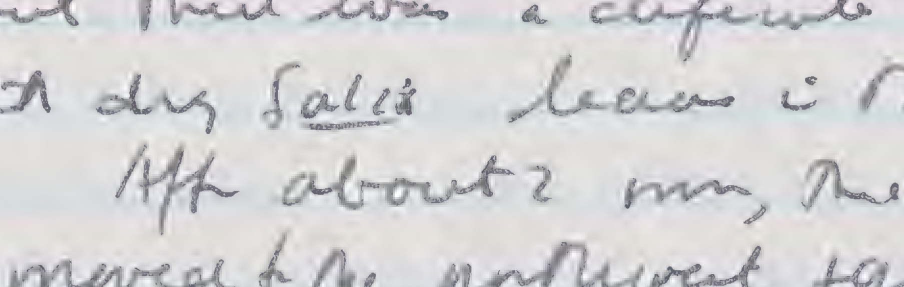
Holmes R
1963

C. mauri

22 June Barrow, Alaska
stood nearby as I inspected the nest. He then led me away with the rodent run posture & the squeal. (He had popped off the nest when I was 15' away).

23 June Checked nest this afternoon at 1500 & it still contained 2 eggs. The ♀ was near the nest when we approached; the ♂ was incubating & jumped off when we were 30' away - gave a strong distraction display

25 June Flushed a bird from the grass on 23.3 - 80 Ikroavik plat. Bird in excellent summer plumage. - When flushed, it gave the disturbance call note - zeet & then stood nearby while I inspected the area from which he had come. No nest could be found but there was a definite cup - with dry Salix leaves in the bottom. After about 2 min, the ♂ flew up & moved to the northwest, & gave one song



very buzzy in quality. The bird was not seen when I returned 3 hours later - OVER

Just as the WS saw - a whole map displayed + the similarity in growth was striking - altho the pattern was very different.

Holmes, R.
1963

E. mauri

11 July Barrow, Alaska
Nest on broad ridge still being incubated — on the three last visit the ♂ has been on the eggs. Today the ♀ appeared soon after the ♂ started his distraction display. She gave a buzzy call note — szs-yuuu or s-yuuu.
As I approached the nest, the ♂ walked off the eggs heading toward me & started giving a soft rattle trill. As I approached close, he went into ruffled, hunched posture — with wings out from the body (not spread horizontally) & drooped — these were then fluttered as he moved off thru the grass. Later, he stood nearby whispering while I examined the eggs.
14 July Nest this a.m. with 4 eggs, one of which was pipping. The ♂ stood off to the side giving a buzzy zzzht, zzzht — or at times a single sharper bzzht. He gave no distraction display today. — at 1000
15 July At 1500 today, all four chicks were hatched & were being brooded by the adult (♂) 75' from the nest cup in a small depression. 3 were banded, 1 was collected.
17 July No sign of adult or chicks along plot.
19 July 1 Ad with active brood patch & no molt collected along with creek & 1 with one.

Holmes
1963

E. mauri

21 July Barrow, Alaska
The adult ♂ was located 200 yds south of the nest site on beach ridge across plat. His chicks were not seen but by the behavior, evidently they were present in the vicinity. Frequently, he gave just a short call note: zzht, zzht. Sometimes, 2 or 3 of these buzzy notes - which are unique to WS - as far as I know - were followed by a trill sequence lasting about 1 sec. zzht, zzht eeeeeeee. The trill-part is similar to that of pusillus - when disturbed

5 Aug 1 Juv collected near Britton's area - gravel
18 Aug 2 Juv along fresh lake
20 Aug 2 different Juv seen - tundra south of gravel ridge - one was with group of dowitcher & young RB
23 Aug Several immatures seen along fresh lake & several along the north end of central marsh.
25 Aug 6-8 feeding in weasel trail - near ABCL - all Juv.

Holmes, R.
1963

<u>C. mauri</u>

15 Jun Barrow, Alaska
One flew over 20.0 on south Ikroavik plot - going west. Gave zshēē - ā ~ call note.

17 June Two seen - one flying up the center of the plot gave a couple of introductory notes (?) then a schree - ehr - which was buzzy in quality & was quite similar in this respect to <u>fuscicollis</u>.

19 June Saw at least 2 birds sitting together on ridge & a possible third bird was heard giving the buzzy note (descr. above).

The day was cold & foggy - the 2 on the ground spent most of the time feeding (picking - shallow jabs). In one instance when the 2 came together - the ♂ cocked his tail & gave 2 or 3 of the notes & then resumed feeding. Pitelka has seen this species giving a courtship display similar to that of fuscicollis - & has seen wing lift - which reported to be relatively common. The aerial display - as descr. by Pitelka - is a hovering flight - where the bird rises & gives this buzzy & not very trill like call.

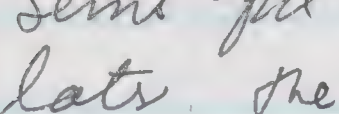
While on the ground the ♂ gave a feed note - while feeding

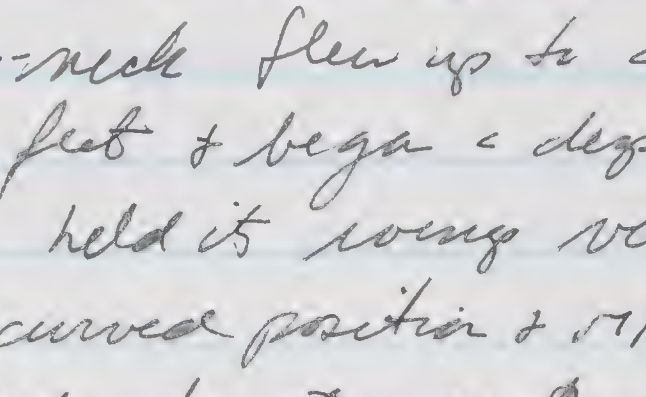
Holmes, R.
1962

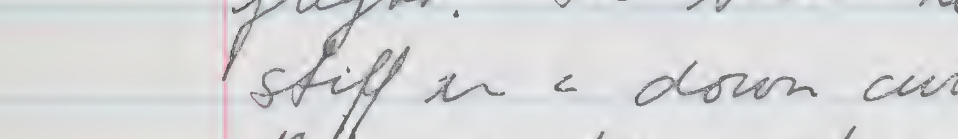
Erolia ruficollis (???)
~6 June

30 may BARROW, ALASKA

1 Bird in excellent - breeding plumage seen displaying near Voth's area in the open grassy-sedge fields. When first seen it was feeding near a Dunlin & a Semipal. When the Dunlin got up & display, the Semipal did also. Several seconds later, the rufous-neck flew up to a height of 20-25 feet & began a display flight. The bird held its wings very stiff in a down curved position & vibrated them quickly in short bursts - with brief glides inbetween. Gliding was done with wings held below the horizontal & down curved & tail spread slightly. The head was held up just enough







to be noticeable. The shallow wingbeats were greatly accentuated & appeared to be given in deliberate or labored fashion. As the bird moved in the air it would circle moving either up or down in altitude. The call given was a "throaty" churning note - of similar character to those

Holmes, R.
1962

Erolia ruficollis (???)
↓ 6 June

[= C. alba, seen 6 June ?]

30 May BARROW, ALASKA

given by alpina or bairdii - a rail, rail rail →. A trill was not heard - the bird descended by floating on out-stretched wings & landing nearby. This call note is not as loud nor as harsh as the Dunlin's & it may possibly be a little higher in pitch. It seems therefore to lay between the Dunlin & bairdii in the classification by call-scheme.

Since the bird was displaying so much & since it was a nice calm day - I decided to race back to the lab to get the tape recorder et al - but when I returned 20 min. later, the bird could not be found.

8899 B. [illegible]